

Figure 1

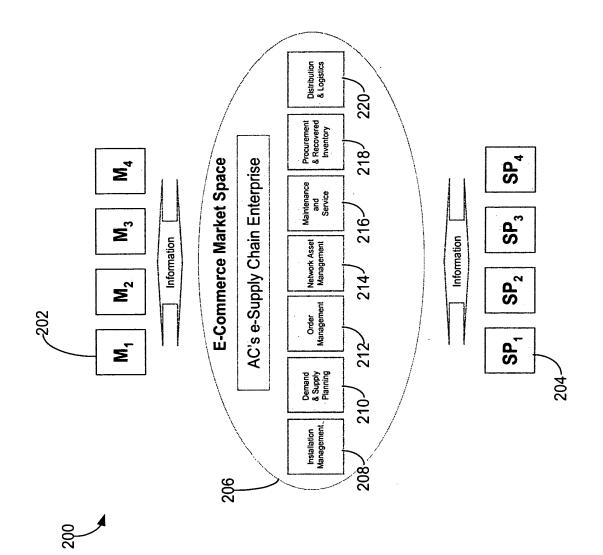


Figure 2

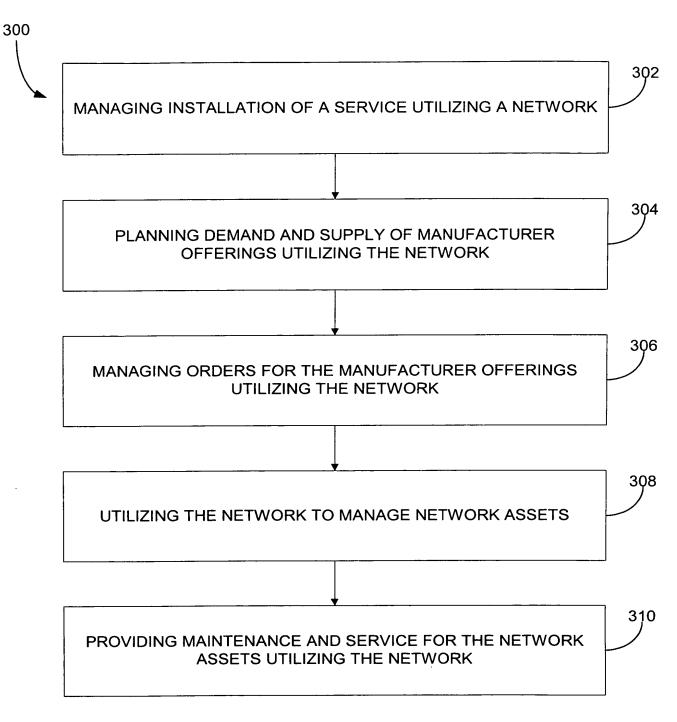


Figure 3

Figure 4

Core Competencies

Service Provider

- New customer acquisitions
- New customer segmentation strategy
- Strategic technology mgmt
- Technology life cycle management
- New service offerings

(i.e. capacity ánd on a capability, planned based Network is ieaturēs)



- network roll out Availability of synchronized with the sites is
- optimization of network assets Joint

Focus on managing production

• Focus on managing the customer relationship

Manufacturer

Focus on market coverage roll

out

• Focus on R & D

capacity

New Business Relationships

Service Provider

- channel for new service Provide an open access offerings from the manufăcturer
- Move to a focus on platform release strategy in line with service offerings



Manufacturer

508

- Gain the potential to reposition the network as a platform for their solutions pipeline
- manufacturer to build strategic integrators becomes a critical differentiator alliances with solution The ability for the

Figure 5

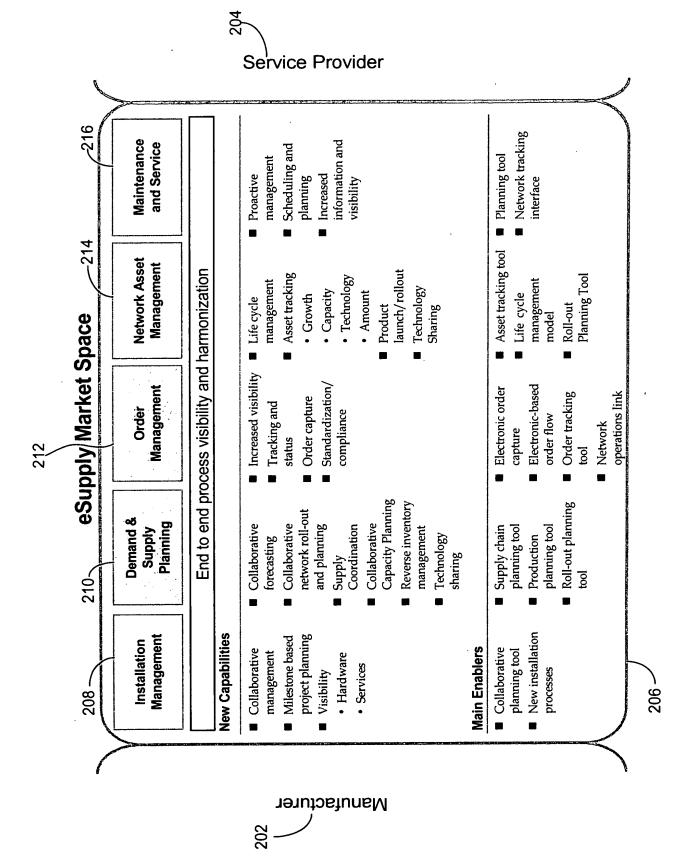


Figure 6

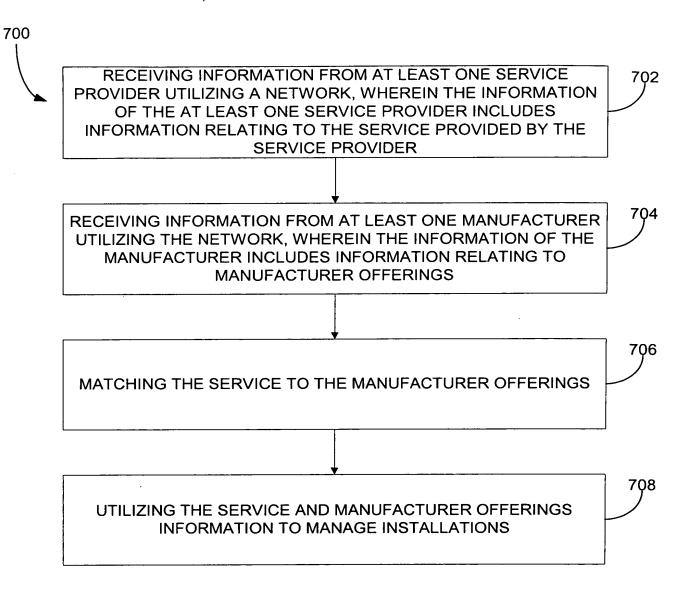


Figure 7

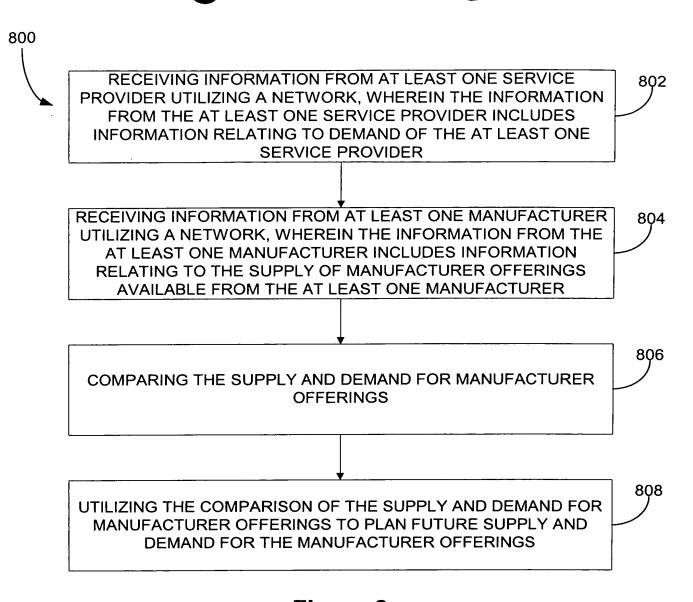


Figure 8

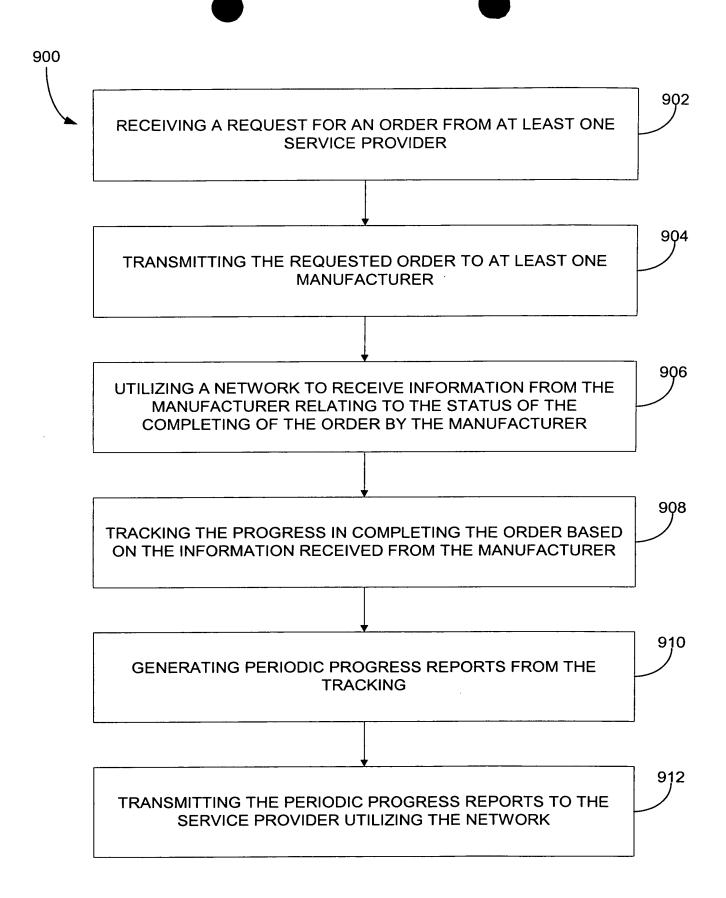


Figure 9

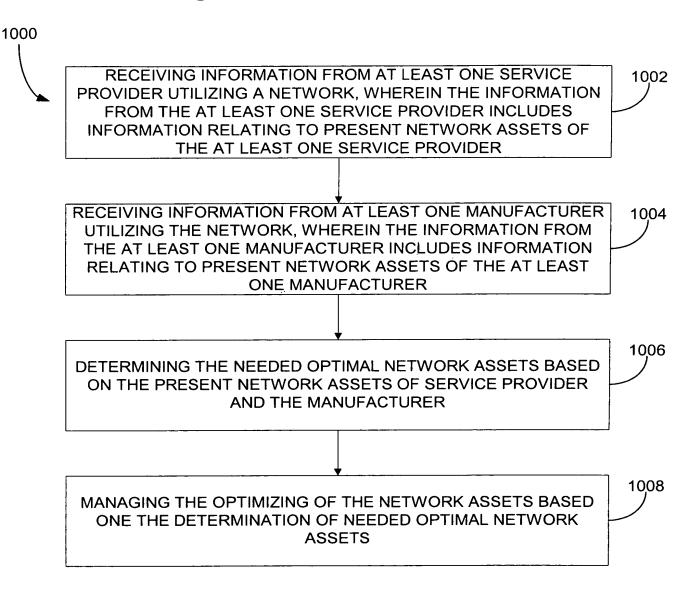


Figure 10

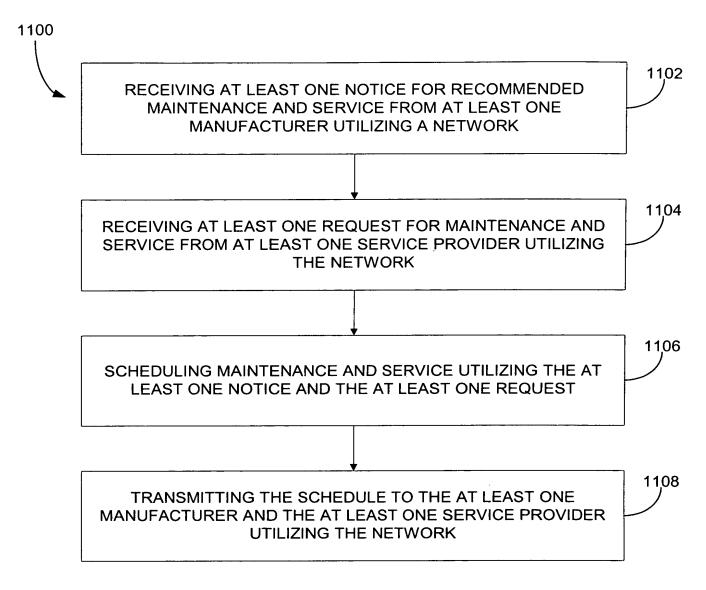
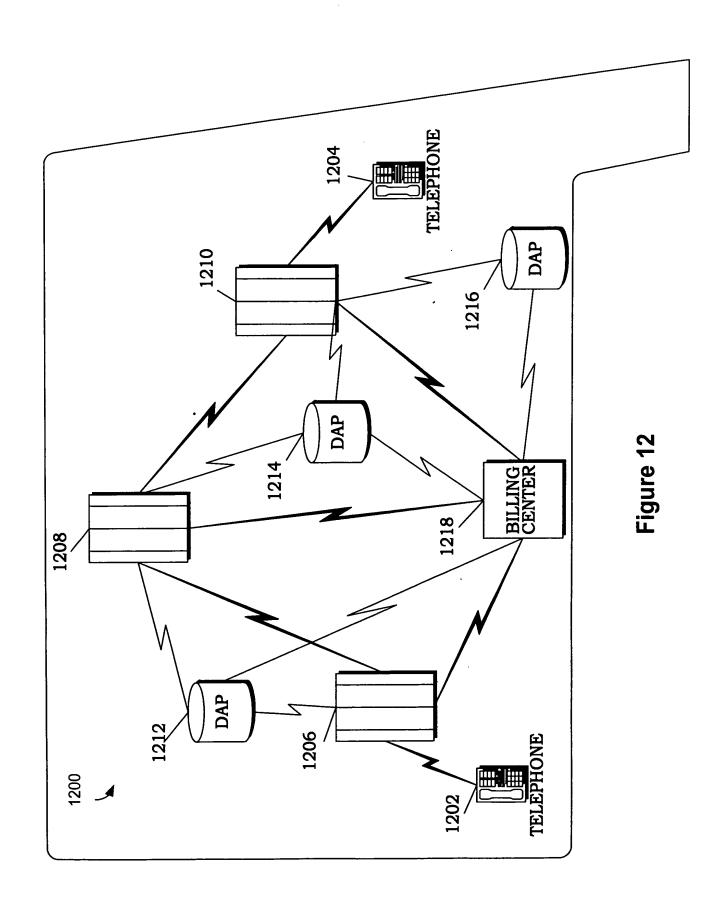


Figure 11



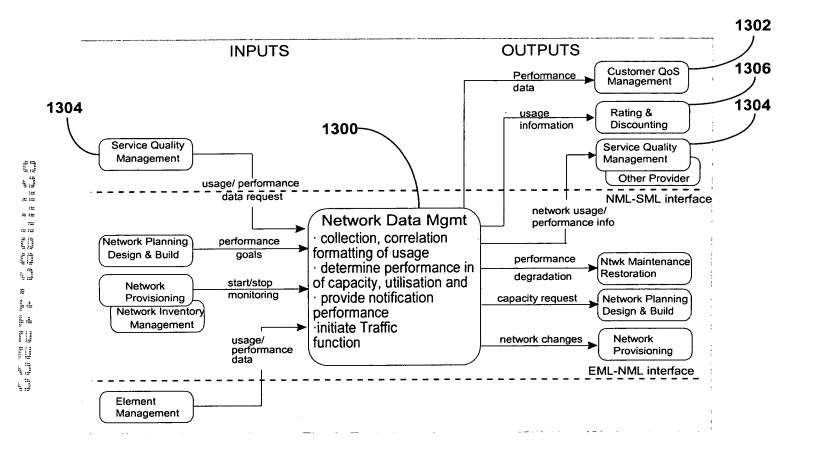


Figure 13

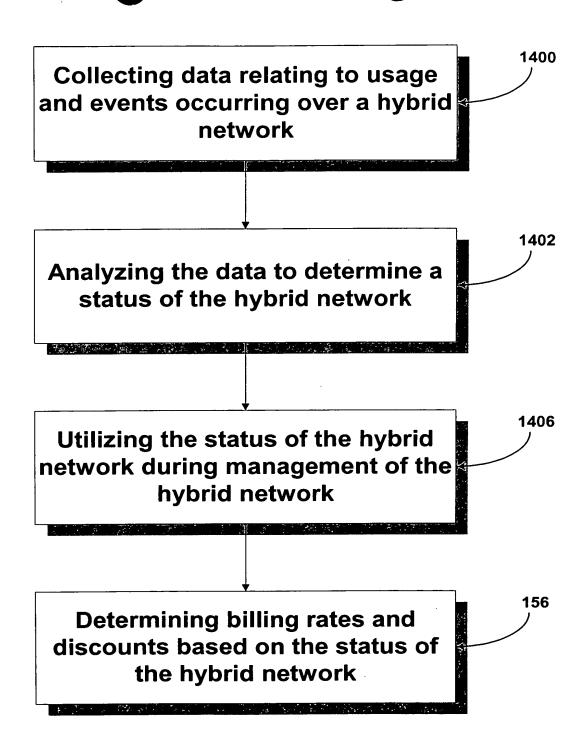


Figure 14

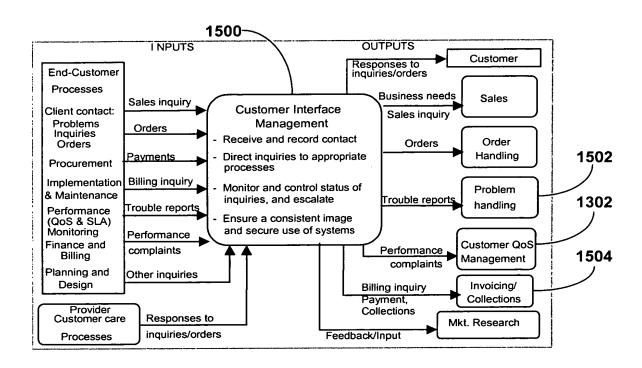


Figure 15

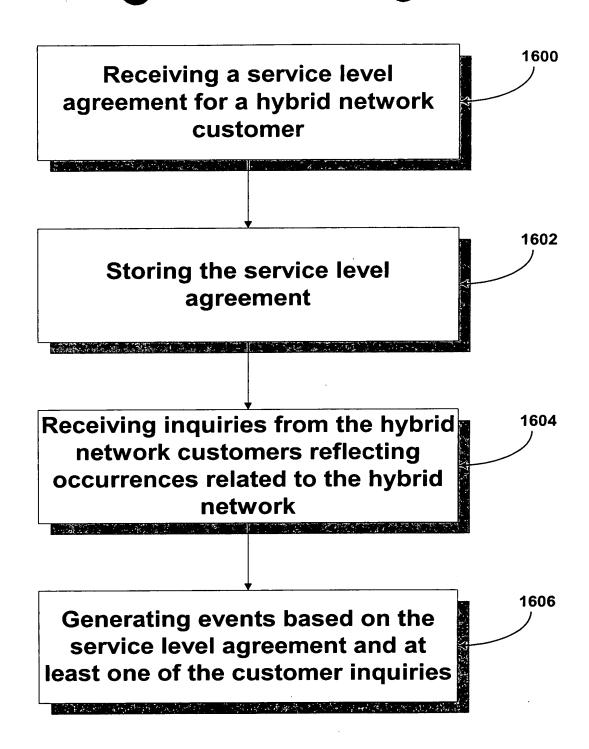


Figure 16

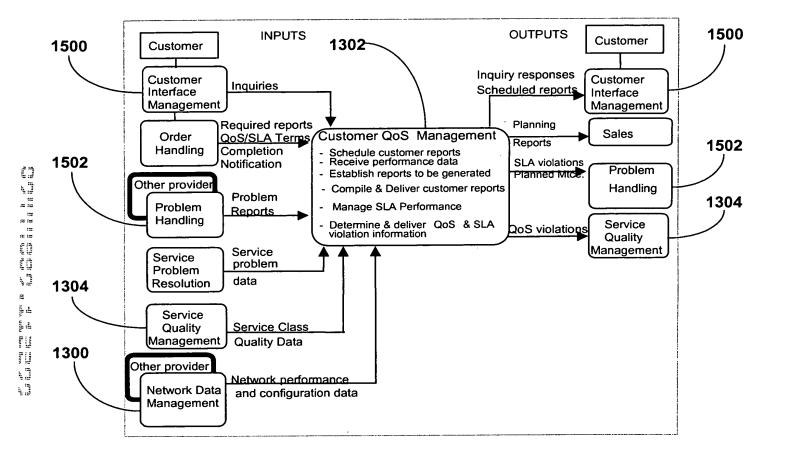


Figure 17

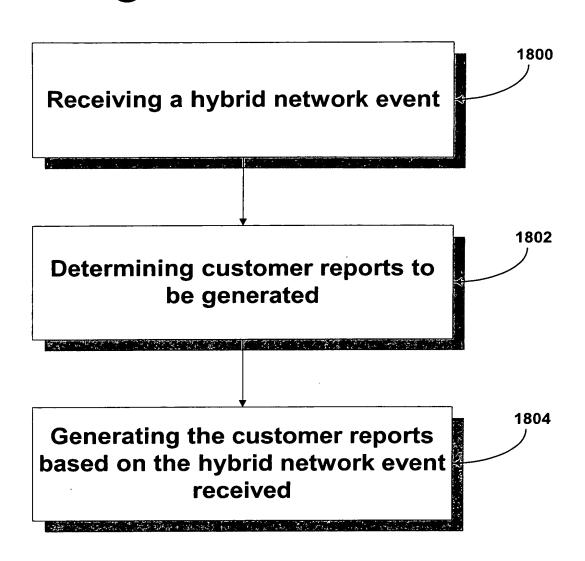


Figure 18

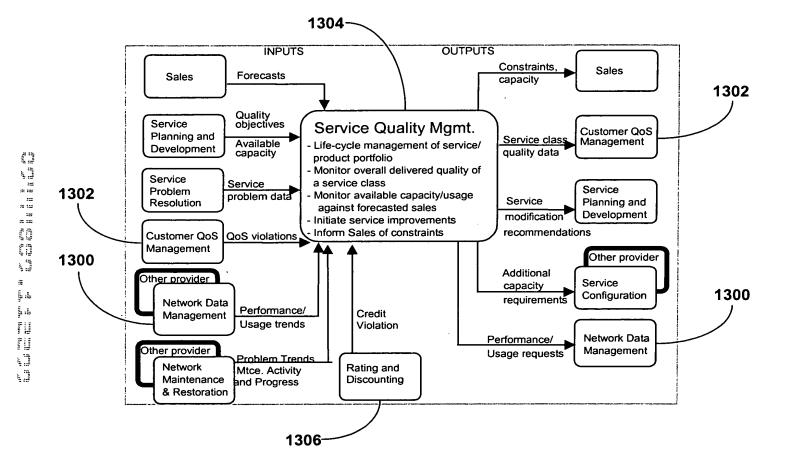


Figure 19

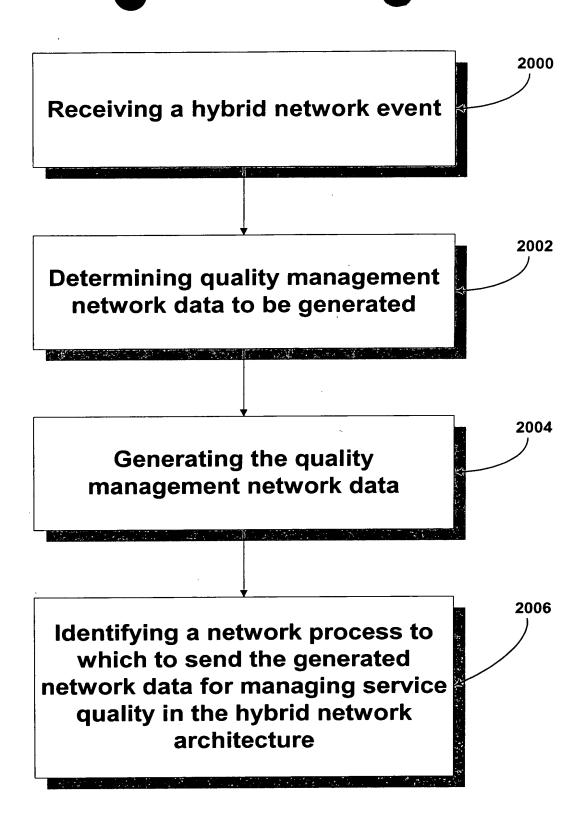


Figure 20

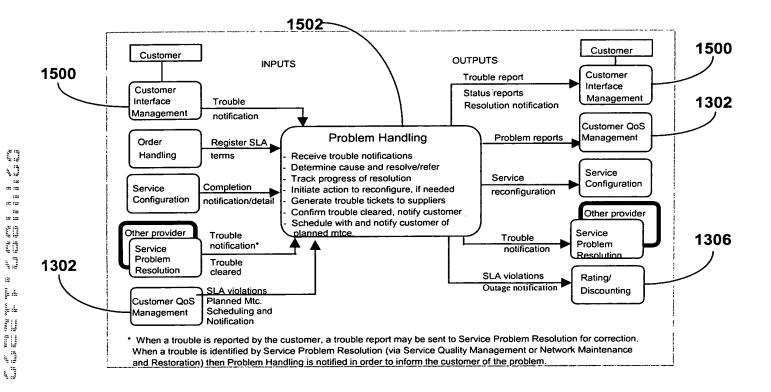


Figure 21

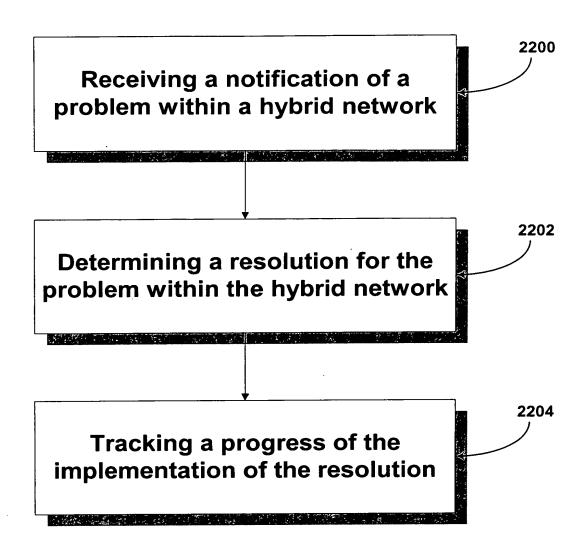


Figure 22

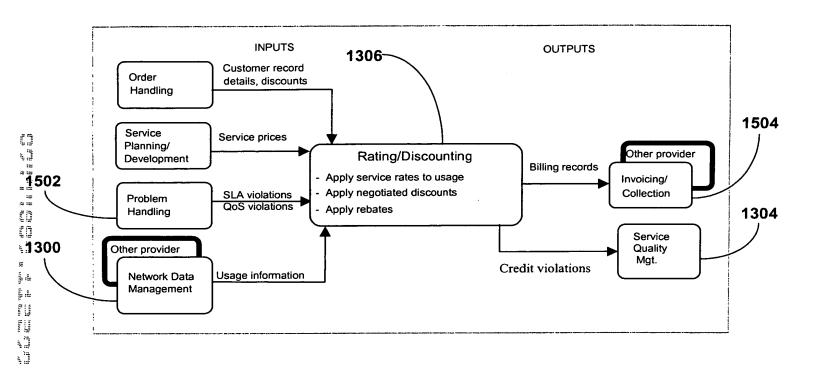


Figure 23

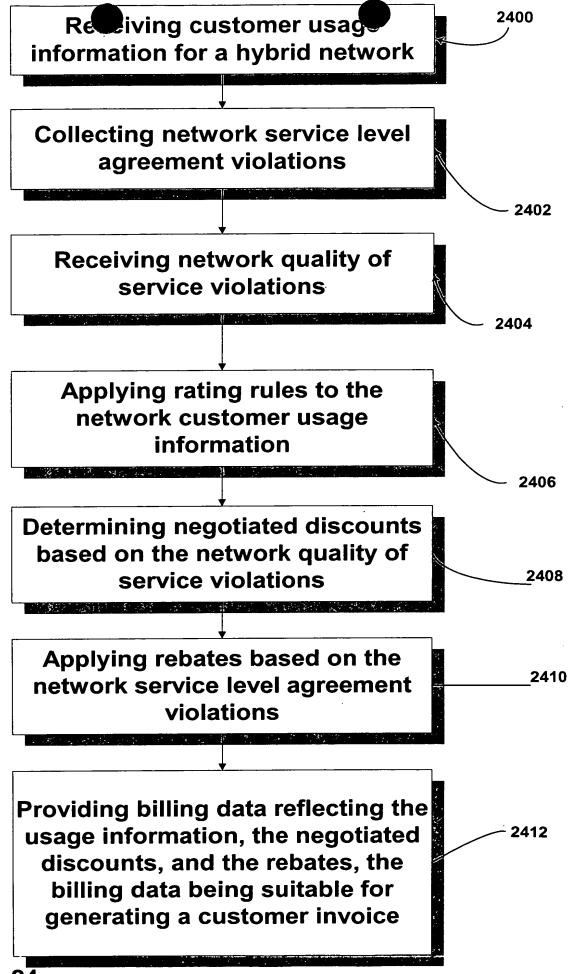


Figure 24

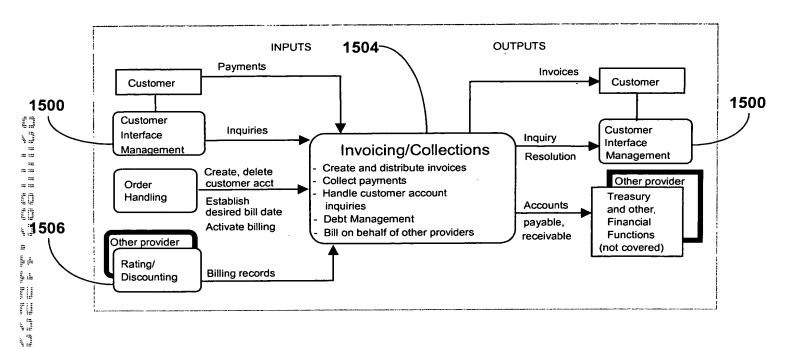


Figure 25

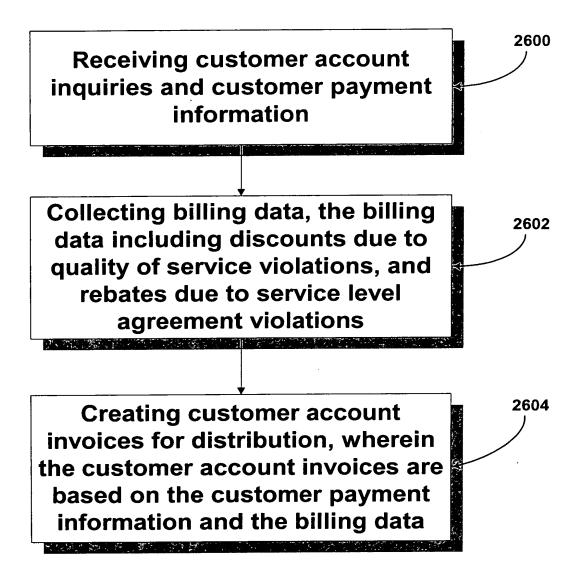


Figure 26

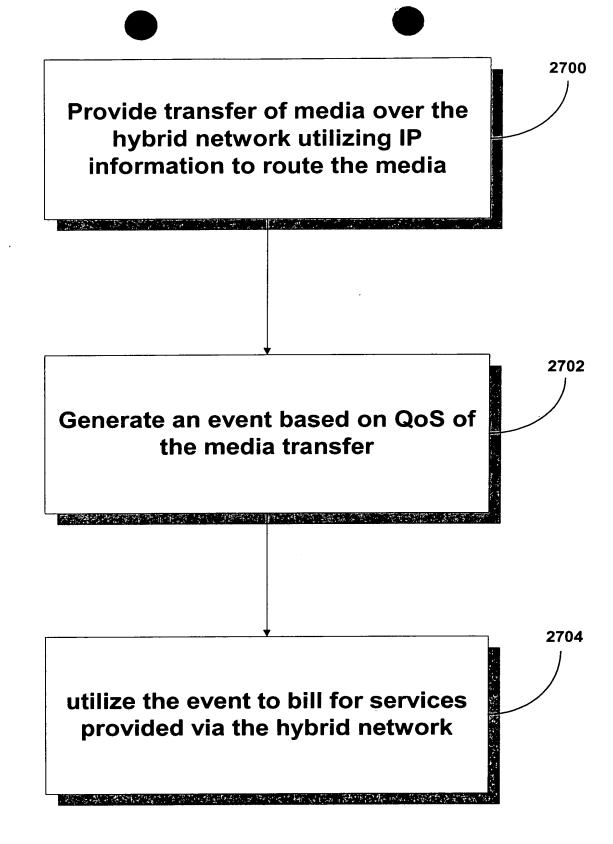


Figure 27

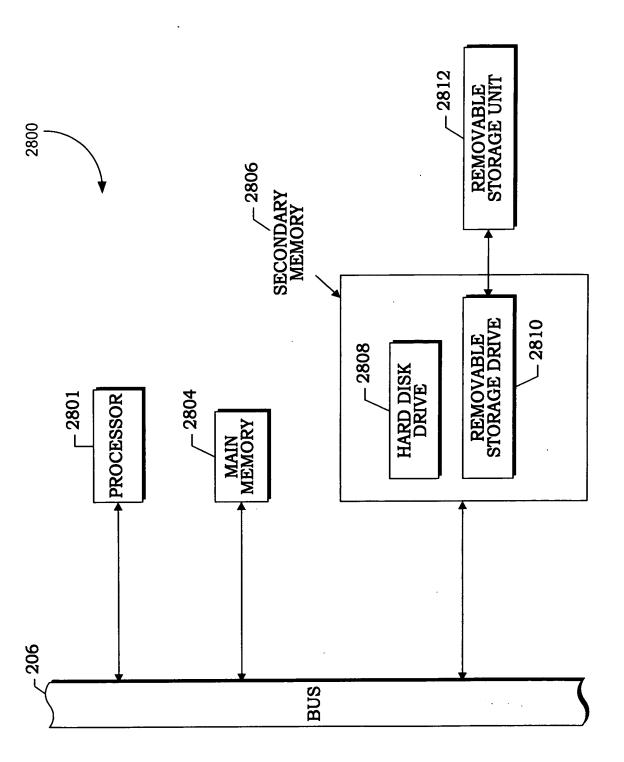


Figure 28

BITS	00 01		3 04 05 0	6 0	7 08 0			2 13	14 15
WORD 00	CR ID CD ID								
01			TP1	BI'	TS 0-1	5			
02			TP1	Bľ	TS 16-	31			
03	T	'P3 BI'1	rs 0-12					TP	6 0-2
04	T	'P6 BI'1	rs 3-12			TP	7 BI	TS 0	-5
05			TP7	BI	TS 6-2	1			
06		OF	L. ORIGIN	AT	ING PC	PRT 0-1	5		
07	OP	TP	L. TERMIN	IAT	ING PO	ORT 0-1	.4		
08	TP	OTG.	ORIGINA'	ΓIN	G TRU	NK GR	OUP	<u> </u>	TT
09	TER	MINA	GING TRUI	NK	GROU	P (1-12		TF	P3Q
10	TP6Q	ACT	ION CODE	<u> </u>	(OTC		T	TC
11	ID:	1	ID2			ANI INI	DEX		45 44 4 5 6
12	CLI	1	CLI 2			CLI 3		CLI 4	
13	CLI	5	CLI 6				CLI 8		
14	CLI	9	CLI 10		A1			A2	
15	A 3		A4		A5			A6	
16	A7		A8		A9			A10	<u>) </u>
17	A11 A12 A13 A14					4			
18	A1:	5	A16		A17			A18	3
19	A19	9	A20			A21		A2:	2
20	D1		D2			D3		D4	<u> </u>
21	D5	5	D6		D7		D8		
22	D9)	D10	D10 D11			D12		2
23	D 13	3	D14	D15		D16			
24	D1	7	PTD1		PTD2		PTD3		
25	PTD)4	PTD5		PTD6		PTD7		
26	PTD	8	PTD9 PTD10						
27	FC		TMC KAT			Ĺ,	TP7		
28	EC,	ENTR	Y CODE		PD	ND II)	DI	VID
29	D0	CC IN	N SCCD DE DT SA			NO	CLI		
30	CN	1				CN4			
31	AC	IF	SS7 RELE	AS	E COD	E NC	IDS	EQ :	NL RS

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 29

BITS	00 01 02 0	3 04 05 06 0	7 08 09 1	011	12 13 14 15		
WORD 00	CR ID		C	O ID			
01		TP1 BITS 0-15					
02		TP1 BI	TS 16-31				
03	TP3 BI	rs 0-12			TP6 0-2		
04	TP6 BI	rs 3-12		TP7	BITS 0-5		
05			TS 6-21				
06		PL. ORIGINAT					
07	OP TF	L. TERMINAT	ING PORT	0-14			
08		. ORIGINATIN			JP TT		
09	TERMINA	GING TRUNK	GROUP (1	-12)	TP3Q		
10	TP6Q ACT	YON CODE	OTO	<u> </u>	TTC		
11	ID1	ID2	AN	INDE			
12	CLI 1	CLI 2	CLI	3	CLI 4		
13	CLI 5	CLI 6	CLI		CLI 8		
14	CLI 9	CLI 10 CLI			CLI12		
15	CLI13	CLI14 CL		15	A1		
16	A2	A3 .			A5		
17	A 6	A7	A8	5	A9		
18	A10	A11	A12	2	A13		
19	A14	A15	A10	5	A17		
20	A18	A19			A21		
21	A22	A23	A24		A25		
22	A26	A27	A28		A29		
23	A30	A31	A32		A33		
24	A34	A35	A36		A37		
25	A38	A39	A40		A41		
26	A42	A43	A44		A45		
27		TMC	KAT		TP7Q		
28	EC, ENTR			D ID	DIVID		
29	DO MNCC IN	SCCDDE		SA	NOCLI		
30	CN1	CN2	CN3		CN4		
31	ACIF	SS7 RELEAS	E CODE	NCII	DSEQ NL RS		

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 30

MSB LSB BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

BITS	00 01 02 0	3 04 05 06 0	7 08 09 10 11	12 1	3 14 15	
WORD 32						
33						
34	ID1	ID2	ID3	ID4		
35	ID5	ID6	ID7	ID8		
36	ID9	ID10	ID11	II	012	
37	ID13	ID14	ID15	II	016	
38	ID17	ID18	ID19	II)20	
39	ID21	ID22	ID23	II)24	
40	ID25	PTD1	PTD2	P	rD3	
41	PTD4	PTD5	PTD6	P	rD7	
42	PTD8	PTD9	PTD10	PT	D11	
43	PTD12	PTD13	PTD14	PT	D15	
44	EIR CAI	LL TYPE	OVF	AL	CB	
45	OVFCL	DTA 1	DTA 2	DTA 3		
46	DTA 4	DTA 5	DTA 6	D	TA 7	
47	DTA 8	DTA 9	DTA 10	D'	ΓA 11	
48	DTA 12	DTA 13	DTA 14	D'	TA 15	
49	OVE	rc	DTAC		NCID	
50	NE	NETWORK CALL IDENTIFIER (NCID)				
51	NE	TWORK CALL	IDENTIFIER (NCID)		
52	NE	TWORK CALL	IDENTIFIER (NCID)		
53	NE	TWORK CALL	IDENTIFIER (NCID)		
54	NE	TWORK CALL	IDENTIFIER (NCID)		
55						
56						
57						
58			·			
59			OUS	TYPE	OUIE	
60	OUIE COUNT CONT. OVFCS					
61	ORIGINATING NX64 BITMAP (1-16)					
62	ORIG NX64 BITMAP(17-24) TERM NX64 BITMAP(17-24)					
63	TERMINATING NX64 BITMAP(9-24)					

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 31

BITS	00 01 02	03 04 05 06 0	7 08 09 10 1	1 12 13 14 15		
WORD 00	CR ID CD ID					
01	TP1 BITS 0-15					
02		TP1 BI	TS 16-31			
03		TS 0-12		TP6 0-2		
04	TP6 B	ITS 3-12		7 BITS 0-5		
05		TP7 Bl	TS 6-21			
06	C	PL. ORIGINAT	ING PORT 0-1	5		
07		PL. TERMINAT				
08	TP OT	G. ORIGINATIN	G TRUNK GR	OUP TT		
09	TERMINAC	ING TRUNK G	ROUP (1-12)	TP3Q		
10	TP6Q AC	TION CODE	OTC	TTC		
11	ID1	ID2	ONACC	TNACC		
12	CLI 1	CLI 2	CLI 3	CLI 4		
13	CLI 5	CLI 6	CLI 7	CLI 8		
14	CLI 9	CLI 10	A1	A2		
15	A3	A4	A5	A6		
16	A7	A8	A9	A10		
17	A11	A12	A13	A14		
18	A15	A16	A17	A18		
19	A19	A20	A21	A22		
20	D1	D2	D3	D4		
21	D5	D6	D7	D8		
22	D9	D10	D11	D12		
23	D13	D14	D15	D16		
24	D17 OPIN					
25	OPIN	TP				
26	RN1	RN2	RN3	RN4		
27	FC	TMC	KAT	TP7Q		
28		RY CODE	PD ND II			
29	DO CC II		DT PP XC SA	NOCLI		
30	CN1	CN2	CN3 CN4			
31	ACIF	SS7 RELEAS	E CODE NO	IDSEQ NL RS		

BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 32

BITS	00 01 02 0	03 04 05 06 0	7 08 09 10 1	1 12 13 14 15		
WORD 00	CR ID CD ID					
01	TP1 BITS 0-15					
02		TP1 BI	TS 16-31			
03	TP4 BI	TS 0-12		TP6 0-2		
04	TP6 BI	TS 3-12	TP	7 BITS 0-5		
05		TP7 BI	TS 6-21			
06	0	PL. ORIGINAT	ING PORT 0-1	5		
07	OP TI	L. TERMINAT	ING PORT 0-1	.4		
08	TP OTG	. ORIGINATIN	G TRUNK GRO	OUP TT		
09	TERMINAGI	NG TRUNK G	ROUP (1-12)	TP3Q		
10	TP6Q AC	TION CODE	OTC	TTC		
11	ID1	ID2	ONACC	TNACC		
12	CLI 1	CLI 2	CLI 3	CLI 4		
13	CLI 5	CLI 6	CLI 7	CLI 8		
14	CLI 9	CLI 10	CLI 11	CLI 12		
15	CLI 13	CLI 14	CLI 15	A1		
16	A2	A3 A4		A5		
17	A 6	A7	A8	A9		
18	A10	A11	A12	A13		
19	A14	A15	A16	A17		
20	A18	A19 A20		A21		
21	A22	A23	A24	A25		
22	A26	A27	A28	A29		
23	A30	A31	A32	A33		
24	A34	A35	A36	A37		
25	A38	A39	A40	A41		
26	A42	A43	A44	A45		
27	FC	TNC	KAT	TF7Q		
28	EC, ENT		PD ND II			
29	DOMMCC IN		DT PP XC SA	NOCLI		
30	CN1	CN2	CN3	CN4		
31	ACIF	SS7 RELEAS	E CODE NO	IDSEQ NL RS		

BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 EOSR/EPOSR FORMAT

Figure 33

MSB LSB BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

	00 01 02 0	3 07 03 00 0		12 13 14 15		
32	T&C C	UEST 1	T&C GUEST 2			
33	T&C G	HUEST 3	T&C GU	EST 4		
34	ID1	ID2	ID3	ID4		
35	ID5	ID6	ID7	ID8		
36	ID9	ID10	ID11	ID12		
37	ID13	ID14	ID15	ID16		
38	ID17	ID18	ID19	ID20		
39	ID21	ID22	ID23	ID24		
40	ID25	PTD1	PTD2	PTD3		
41	PTD4	PTD5	PTD6	PTD7		
42	PTD8	PTD9	PTD10	PTD11		
43	PTD12	PTD13	PTD14	PTD15		
44	EIR CAI	LL TYPE	OVF			
45		DTA 1	DTA 2	DTA 3		
46		DTA 5	DTA 6	DTA 7		
47	DTA 8	DTA 9	DTA 10	DTA 11		
48	DTA 12	DTA 13	DTA 14	DTA 15		
49	OVE	rc	DTAC	NCID		
50	NETWORK CALL IDENTIFIER (NCID)					
51	NE	TWORK CALL	IDENTIFIER (NCID)		
52	NETWORK CALL IDENTIFIER (NCID)					
53		TWORK CALL				
54	NE	TWORK CALL	, , 			
55	T&C R	OOM 1	T&C ROOM 2			
56		OOM 3	T&C ROOM 4			
57	T&C R	OOM 5	T&C ROOM 6			
58	EAC1	EAC2	EAC3	EAC4		
59	EAC5	EAC6	EAC7	EAC8		
60	EAC9	EAC10	EAC11	EAC12		
61		OPIN		OVFCS		
62		TP5-OPERATOR RELEASE				
63	RN1	RN2	RN3	RN4		

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 34

BIT	00 01 02	2 03 0	04	05 06 07	7 08 09	10 1	1 12 13 14 15		
WORD 00	CR II)	SYI	NC WOR	D (MINU	JS 2,	OCTAL 7776)		
01	CDID,	CDID, CALL DISCONNECT I.D. NUMBER (0-15)					BER (0-15)		
02	CDID, C	CALL D	DIS	CONNEC	T I.D. N	IUME	BER (16-31)		
03	SWID	1		SWID	2		SWID 3		
04	<u></u>	VITCH					NT QUALIFIER		
05	93	SERIT-	SE	R EVEN	T TIME	(0-15)	5)		
06	S	ERIT-S	SEF	REVENT	TIME (<u> 16-3</u>	1)		
07]	FCI	OID-FIRS	ST RECO	ORD	CDID (12 LSAs)		
08			LC	DID-LAS	T RECO	RD (CDID (12 LSAs)		
09							CDID (12 LSAs)		
10	NBSN						NUMBER		
11		PT-	-PR	EVIOUS	TIME (C	D-15)			
12		PT-	PRI	EVIOUS	TIME (1	<u>6-31</u>)		
13	SI	T	IME	OFFSE	T				
14									
15									
16	SOFTW	ARE L	OA	D ID1			RE LOAD ID2		
17	SOFTW	ARE L	OA	D ID3	SOFT	WAF	E LOAD ID4		
18	SOFTW	ARE L	<u>OA</u>	D ID5			E LOAD ID6		
19	LAST PA	TCHS	/PF			PATC	CHS/PR RLS2		
20	QC	DR		Ç	SCDR				
21	QP	MR		QSPMR					
22		QOSR			SOSR				
23	QPOSR QSPOSR				·				
24	QSER CNPN				<u>-</u>				
25	CDR THROTTLE START TIME (0-15)								
26	CDR THROTTLE START TIME (16-31)								
27	CDR THROTTLE STOP TIME (0-15)								
28	CDR THROTTLE STOP TIME (16-31)								
29	FORMAT VER.								
30	THROTTLE COUNT (0-15)								
31	THROTTLE COUNT (16-31)								

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 35

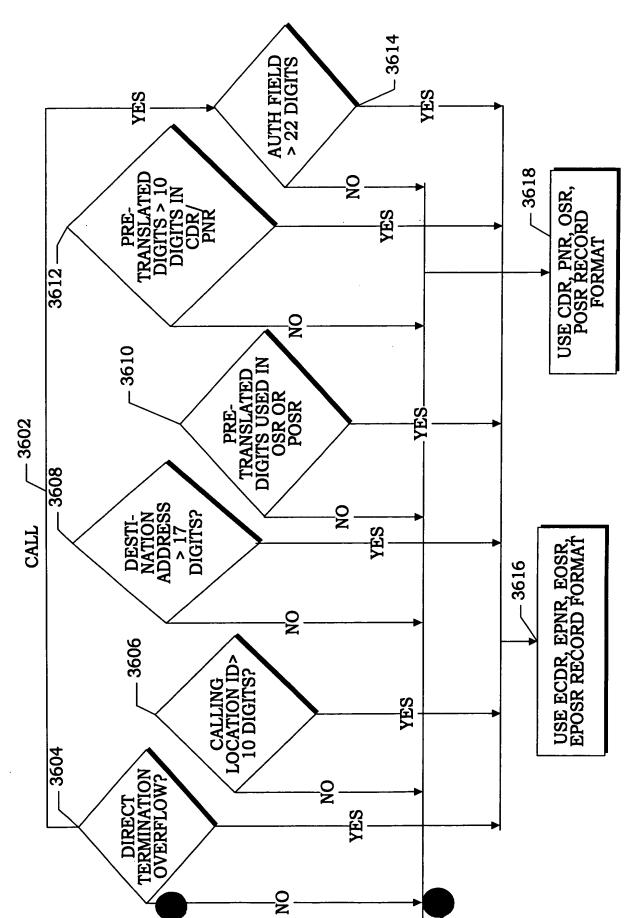


Figure 36

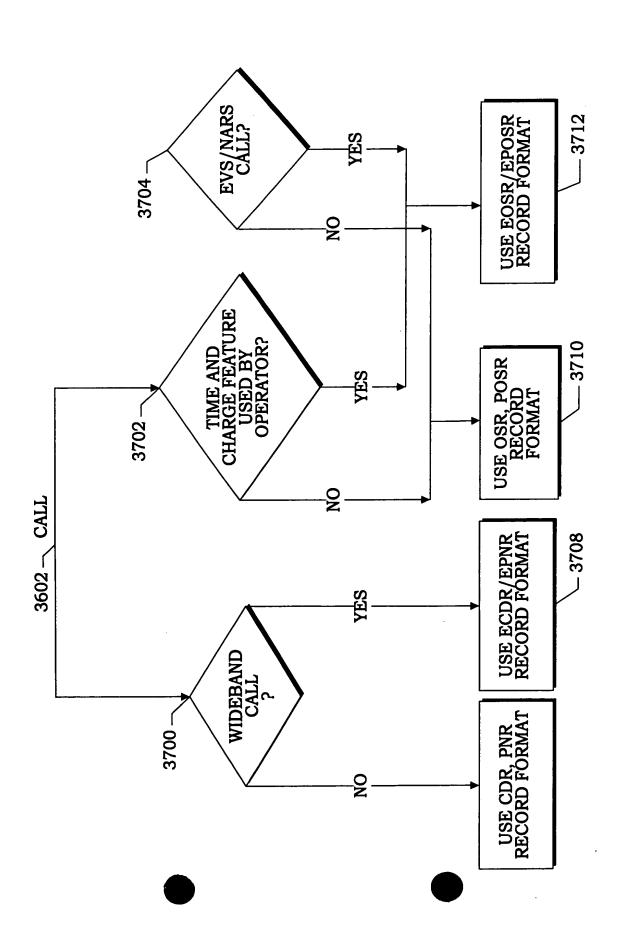


Figure 37

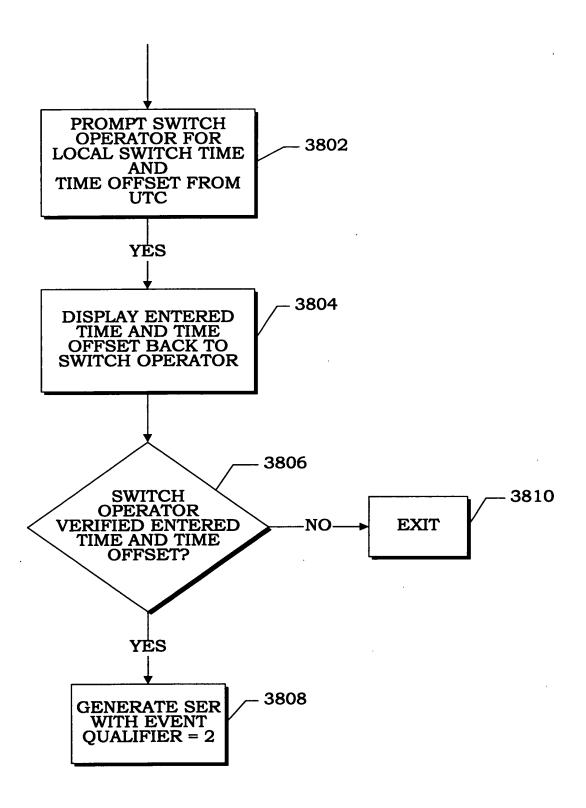


Figure 38

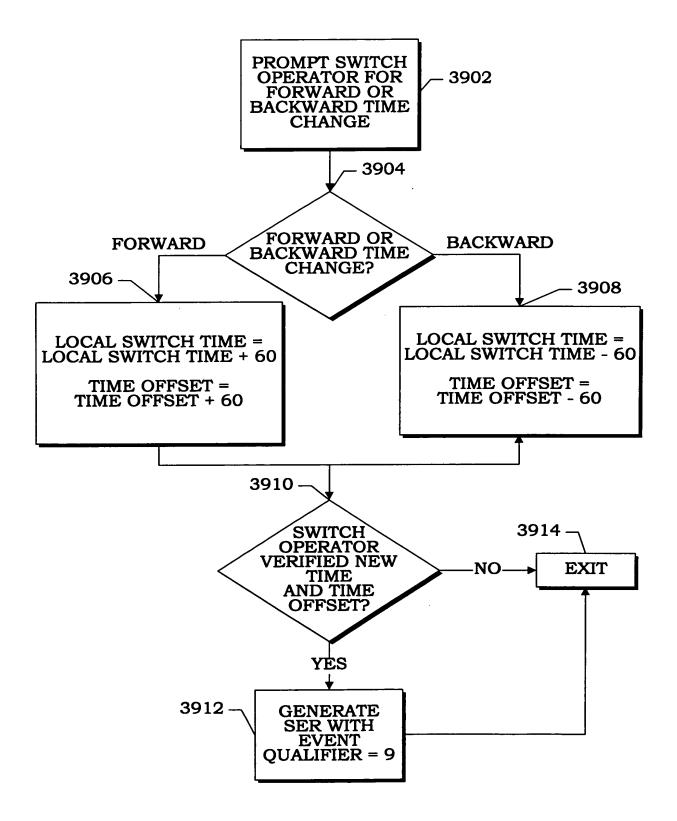


Figure 39

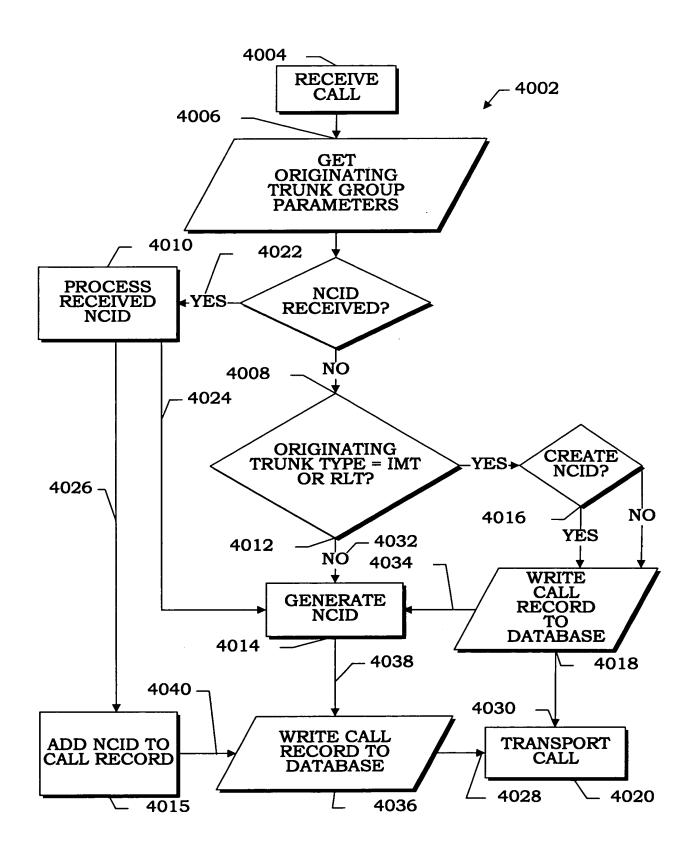


Figure 40

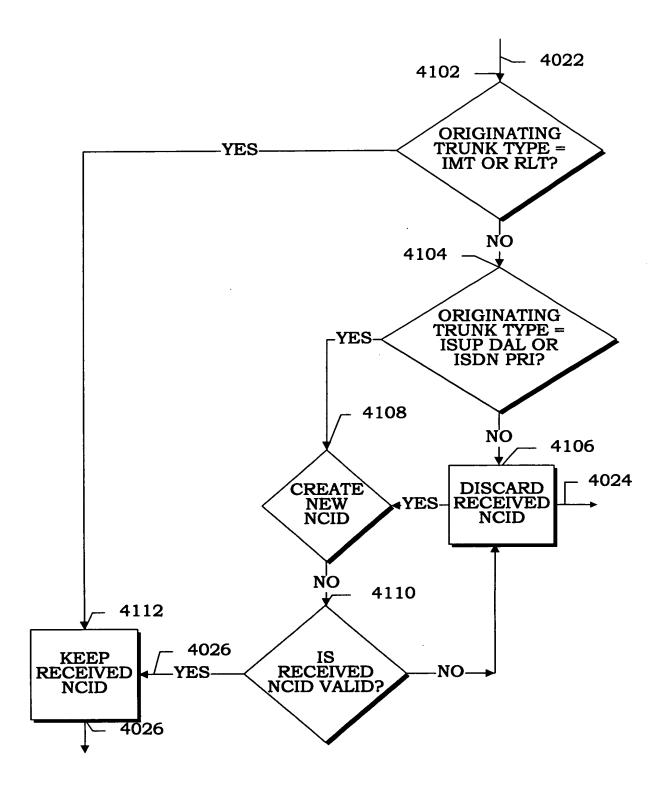


Figure 41

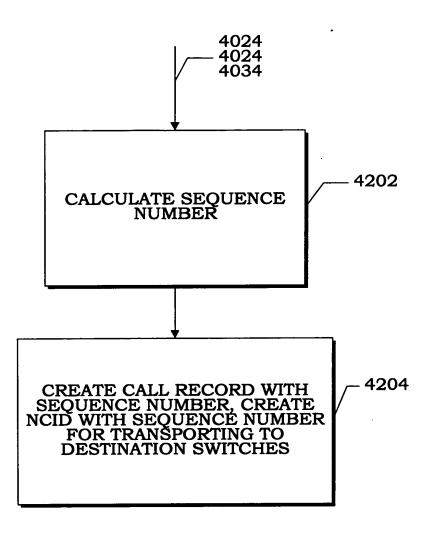


Figure 42

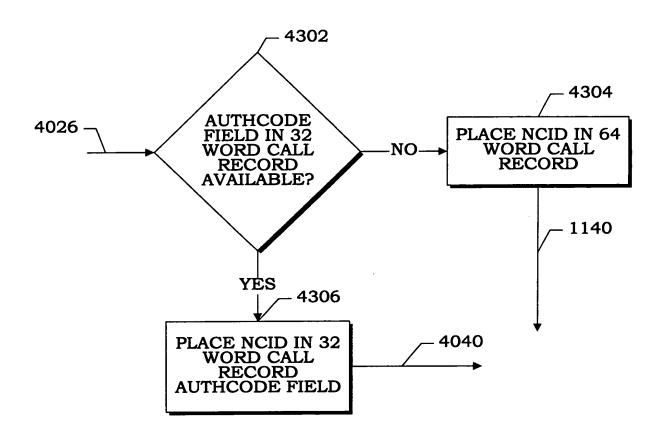
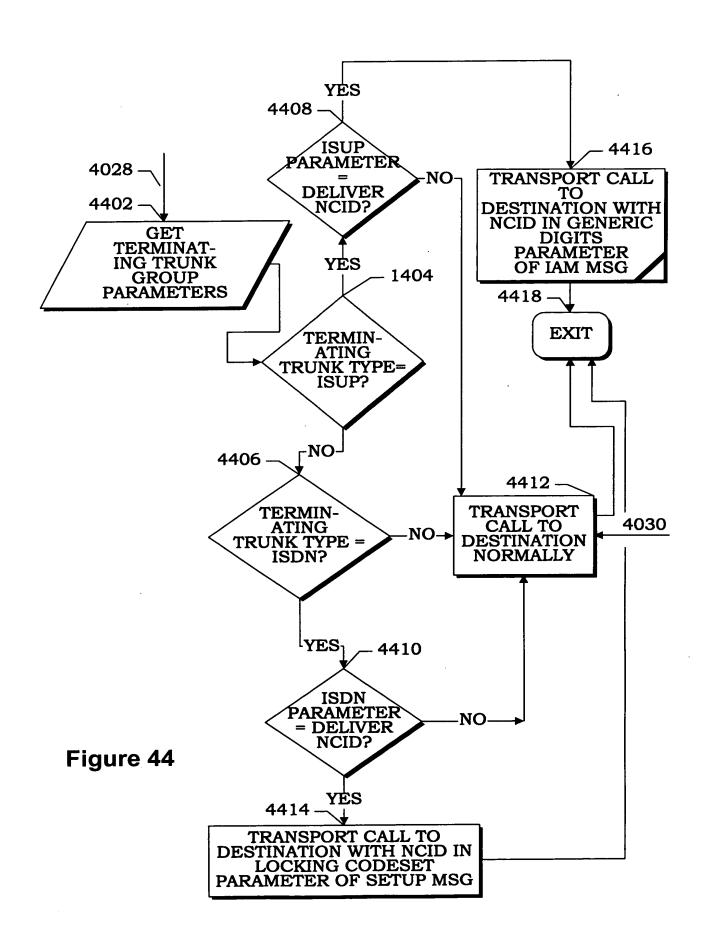


Figure 43



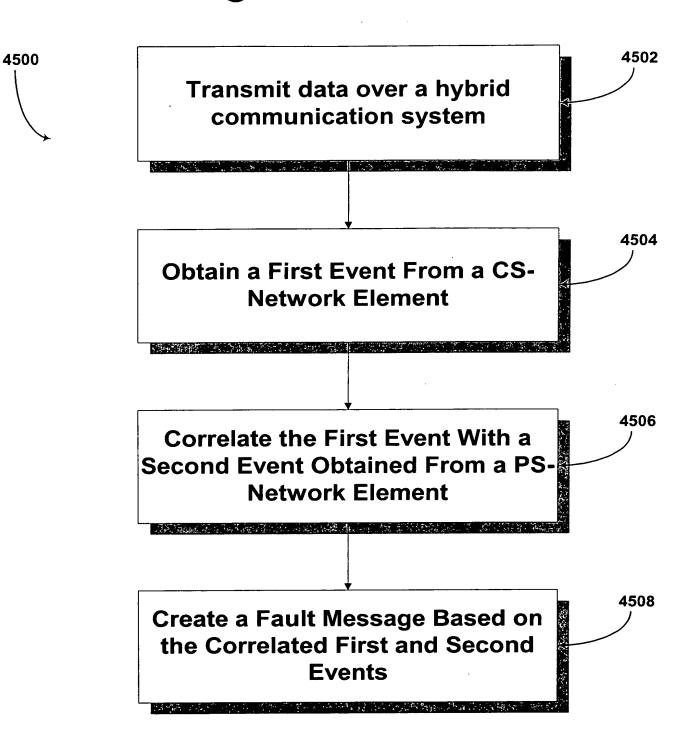


Figure 45

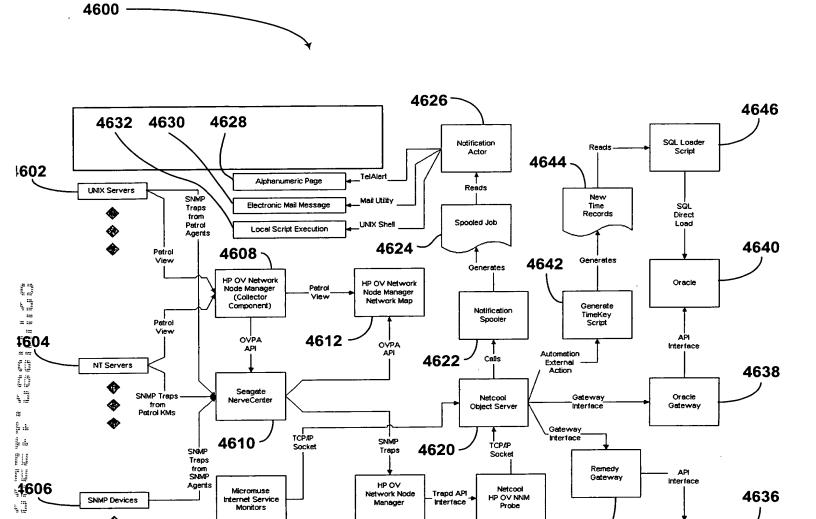
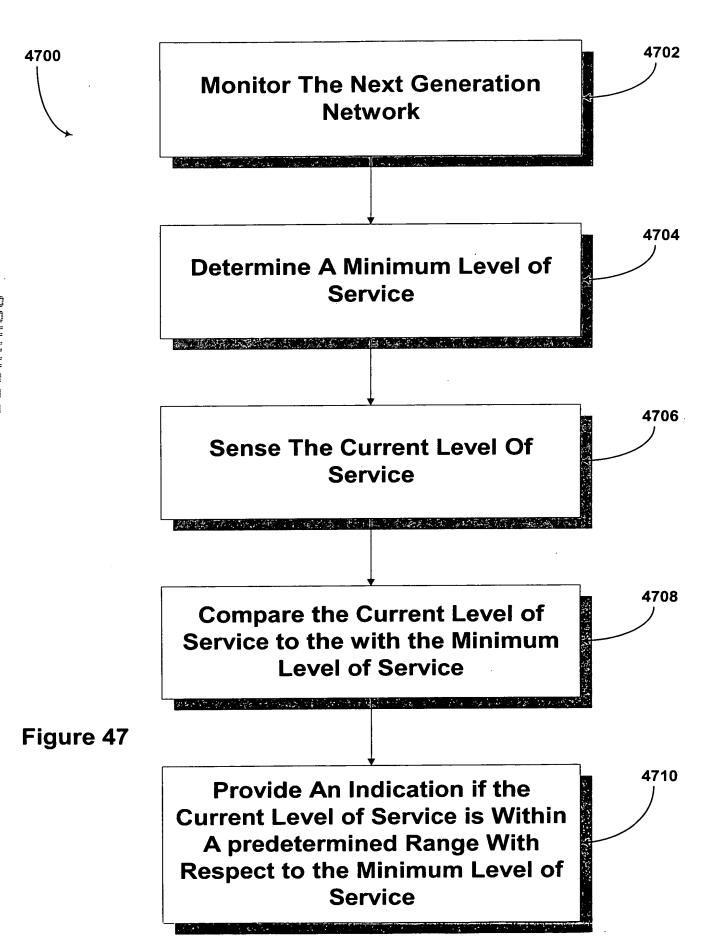


Figure 46



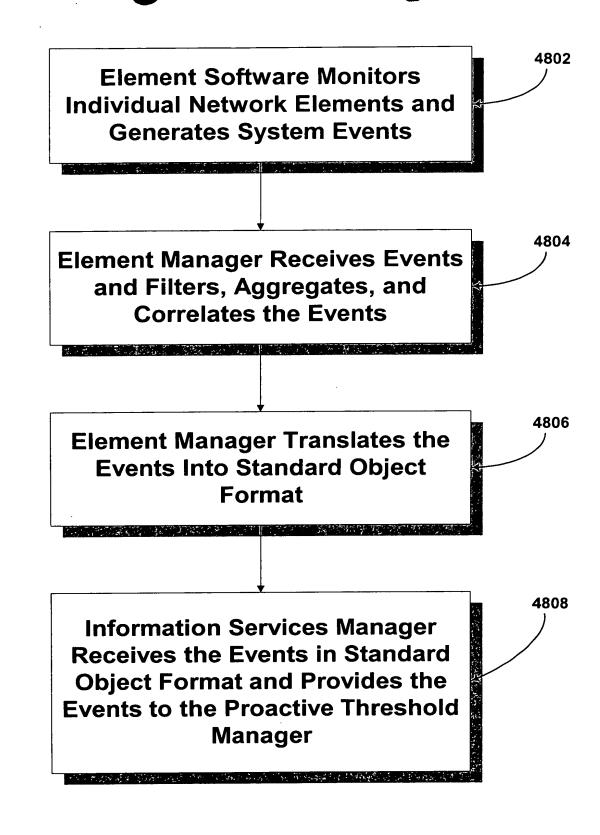


Figure 48

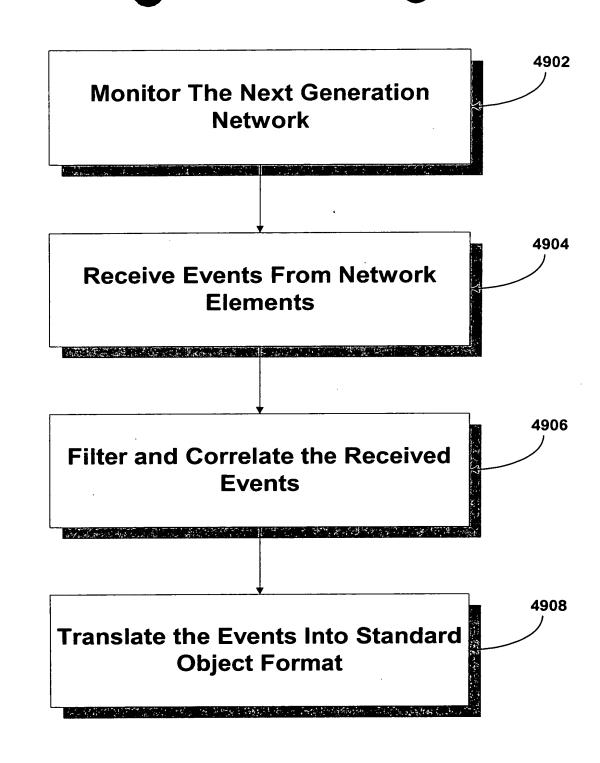


Figure 49

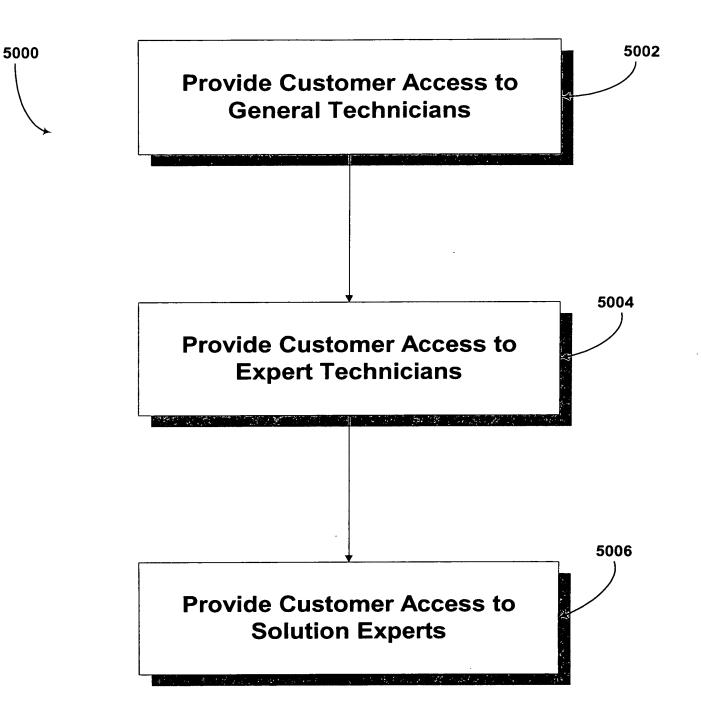


Figure 50

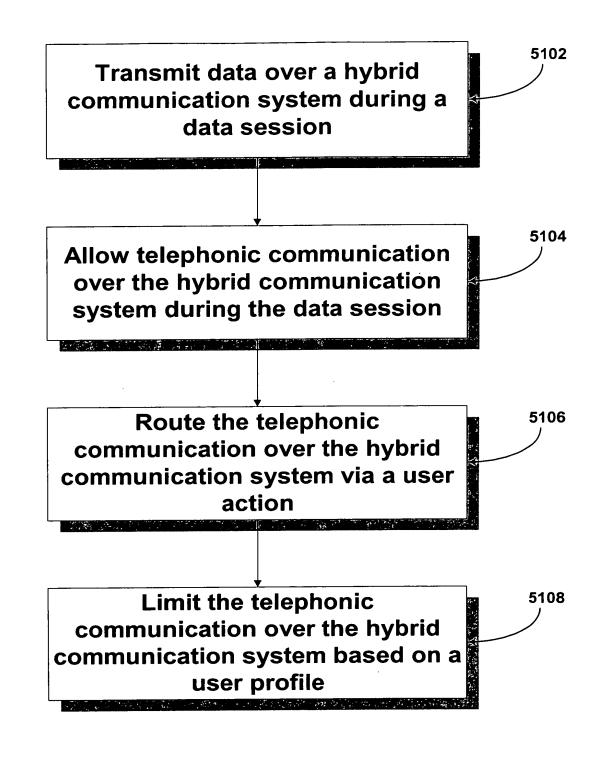


Figure 51

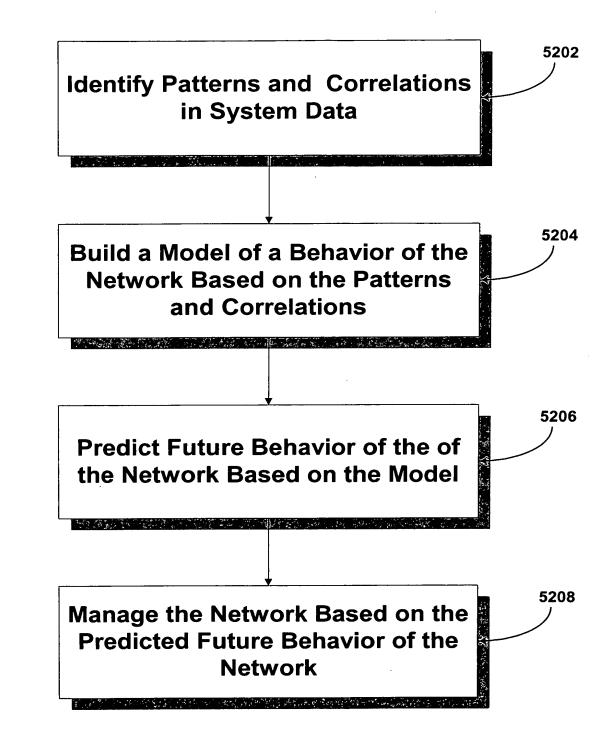


Figure 52

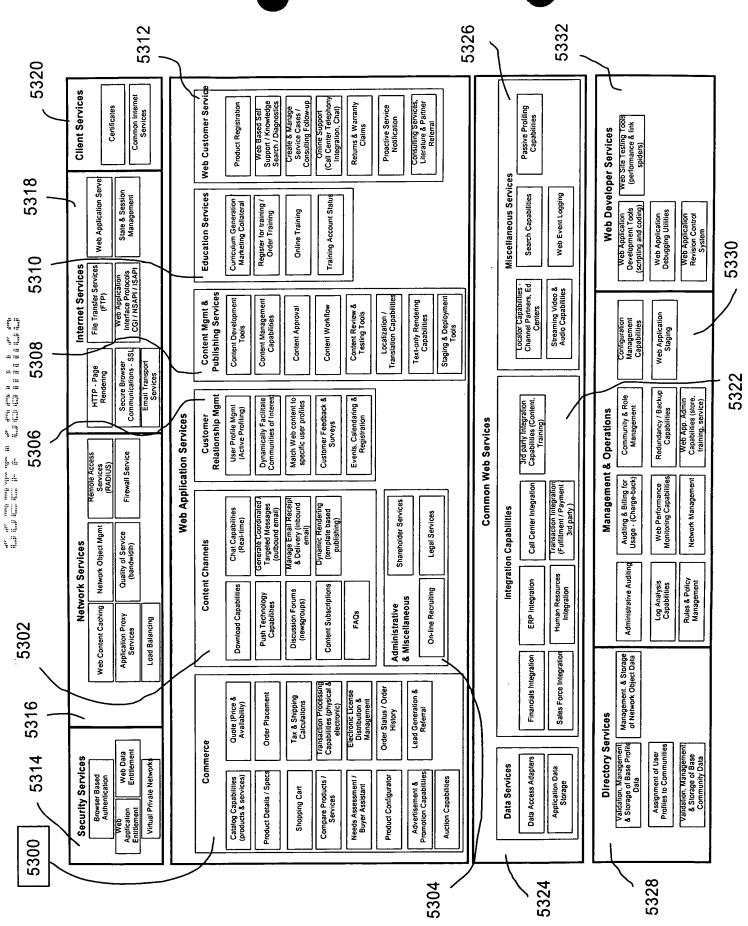
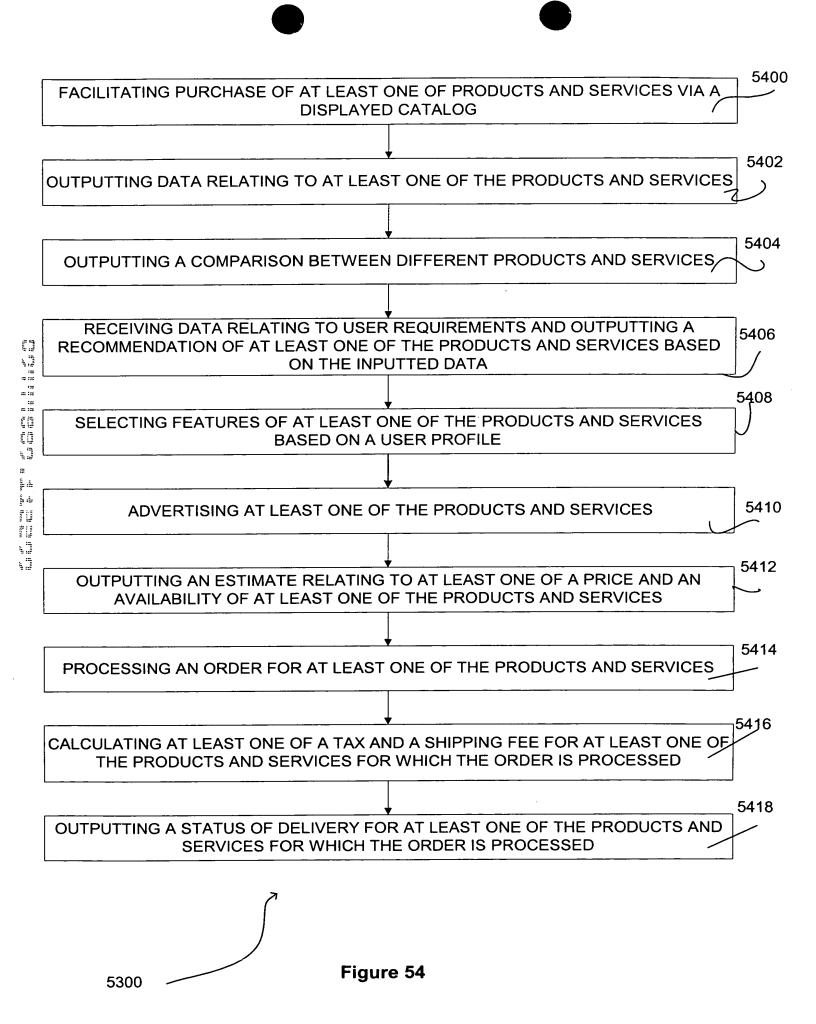


Figure 53



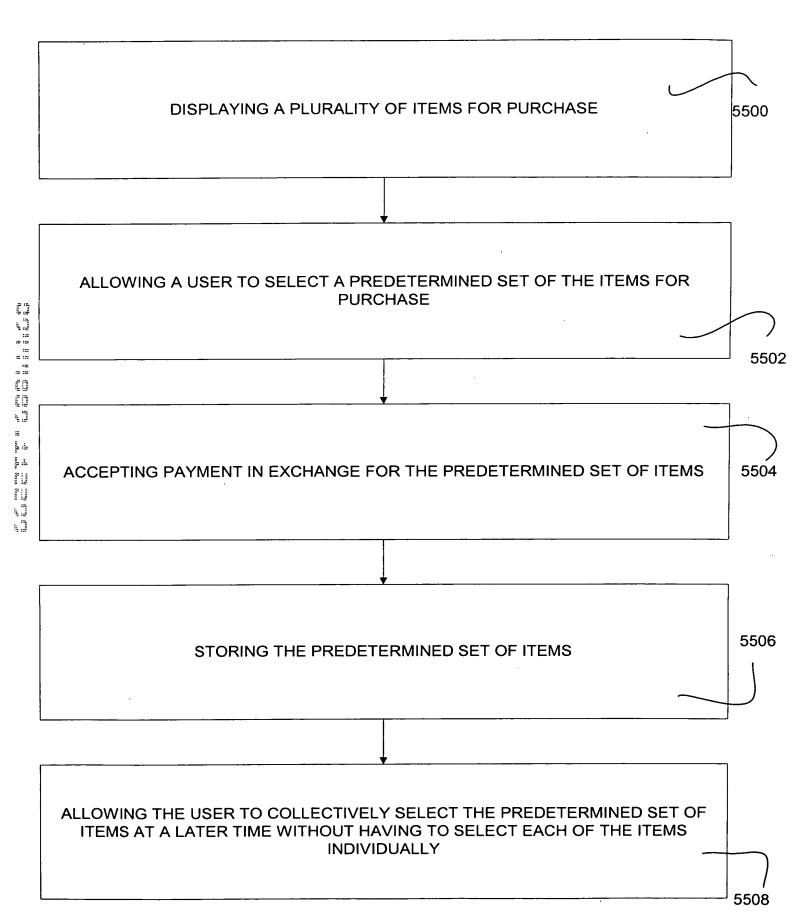
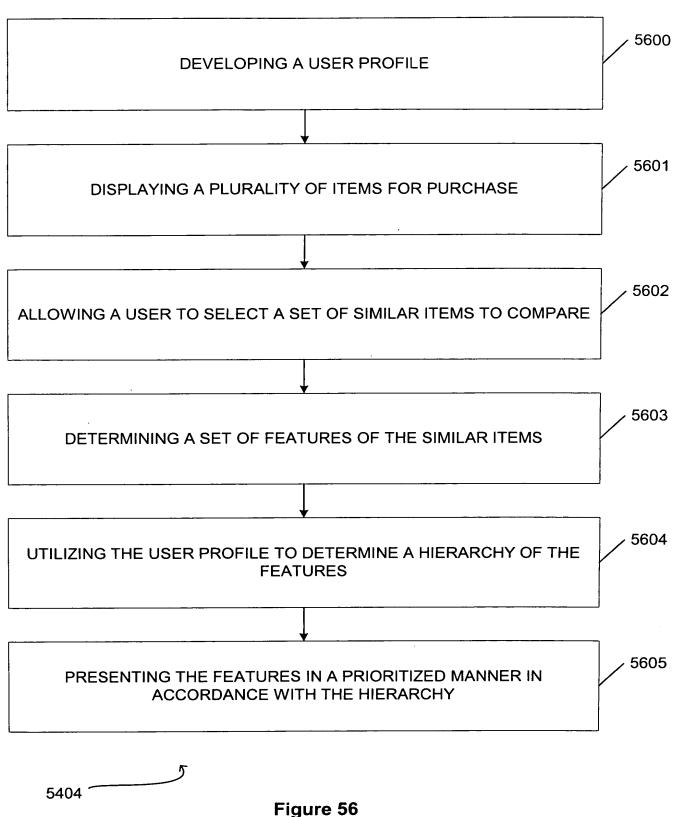


Figure 55



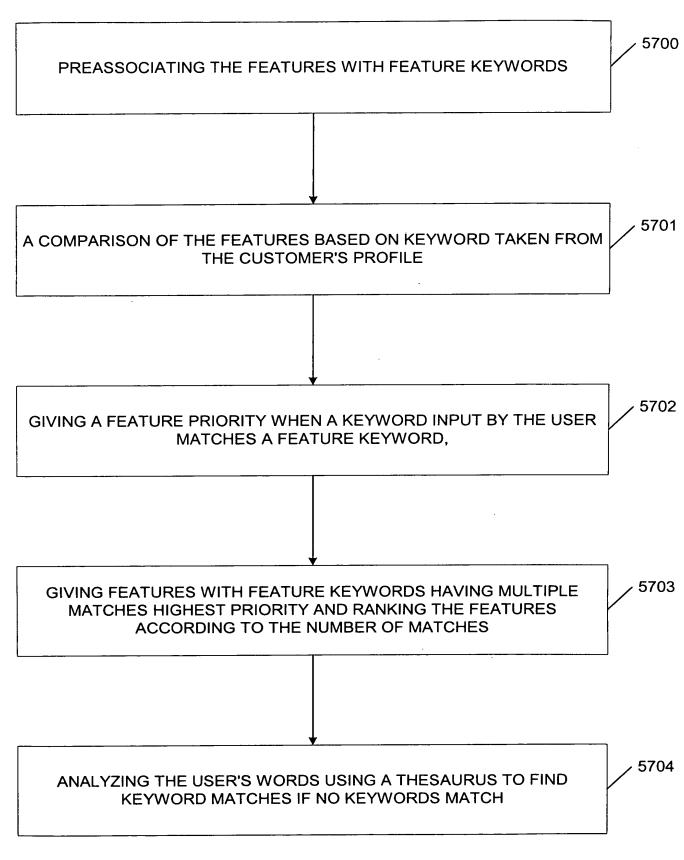
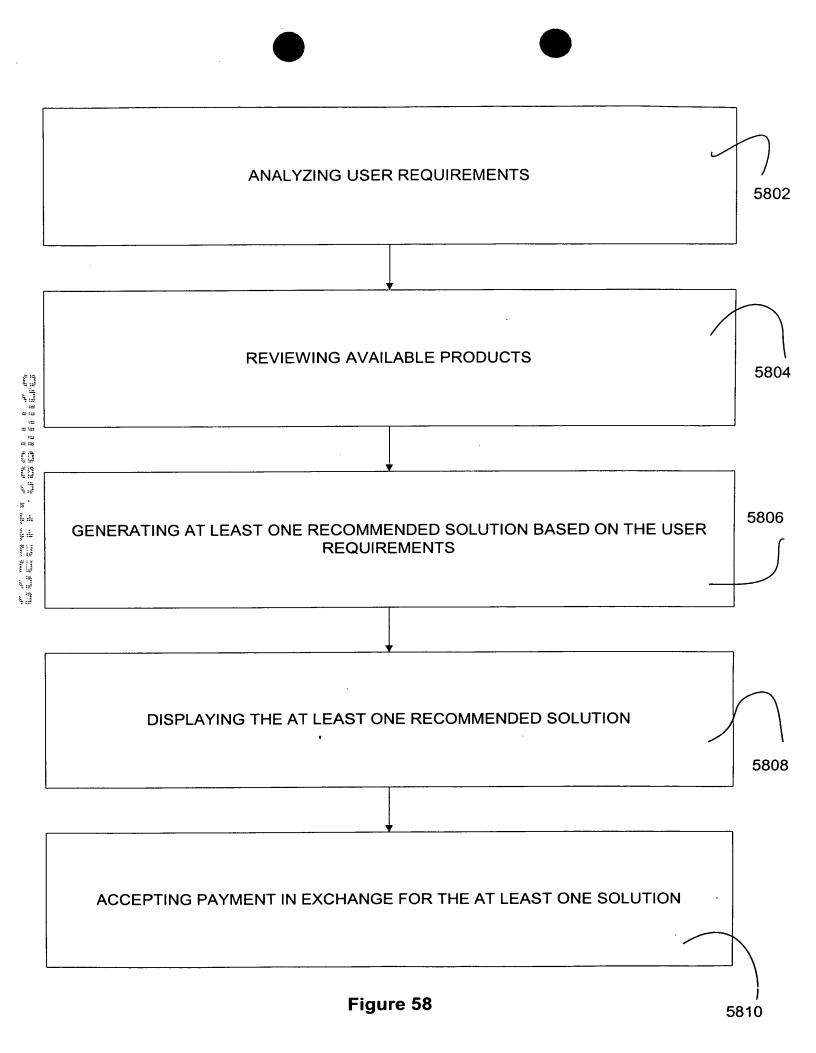
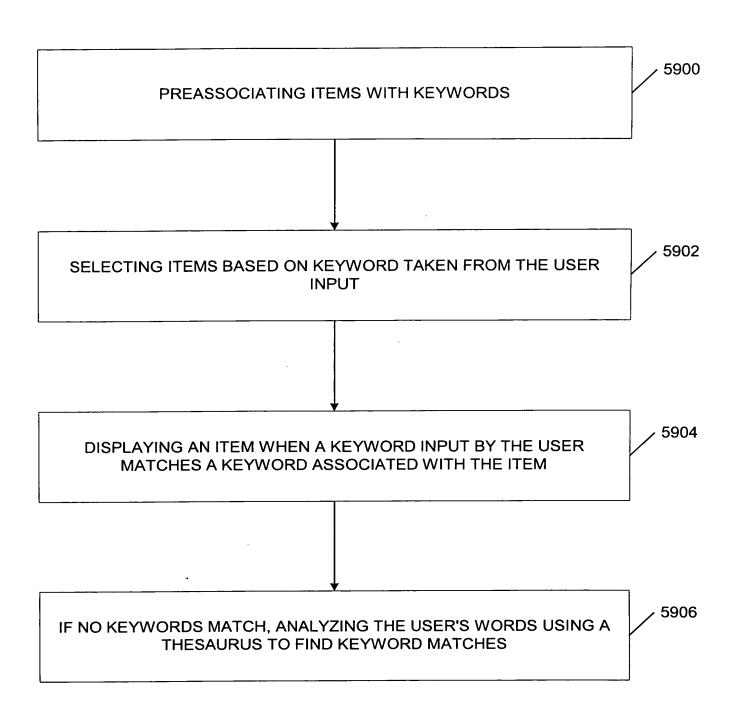


Figure 57





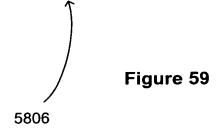


Figure 60

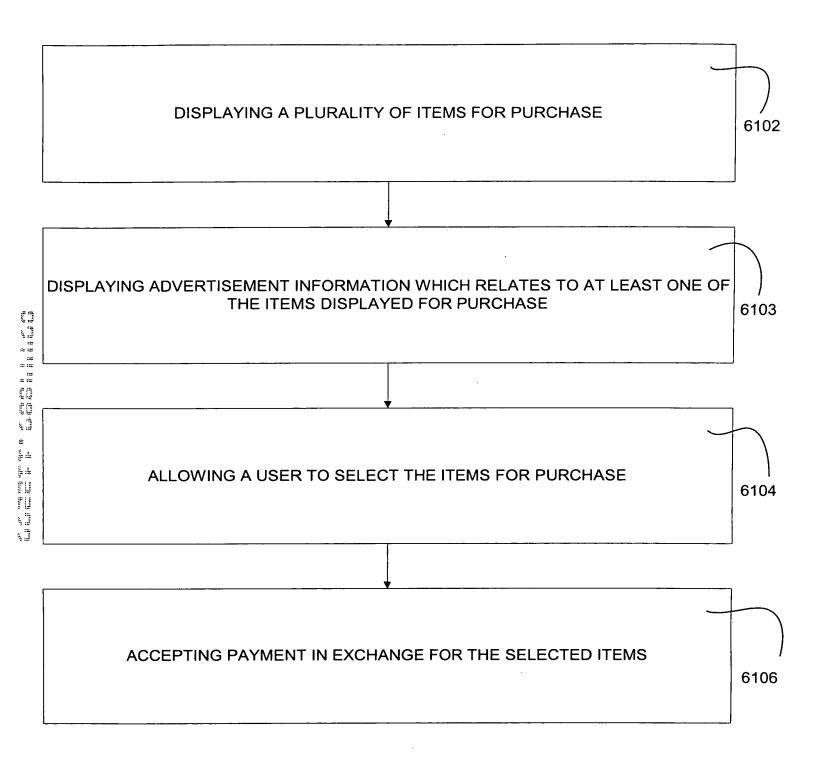
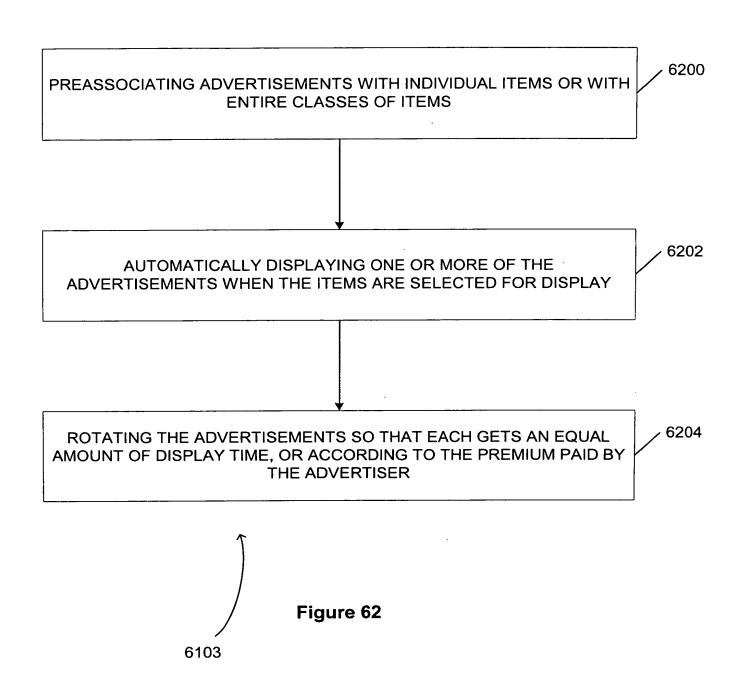
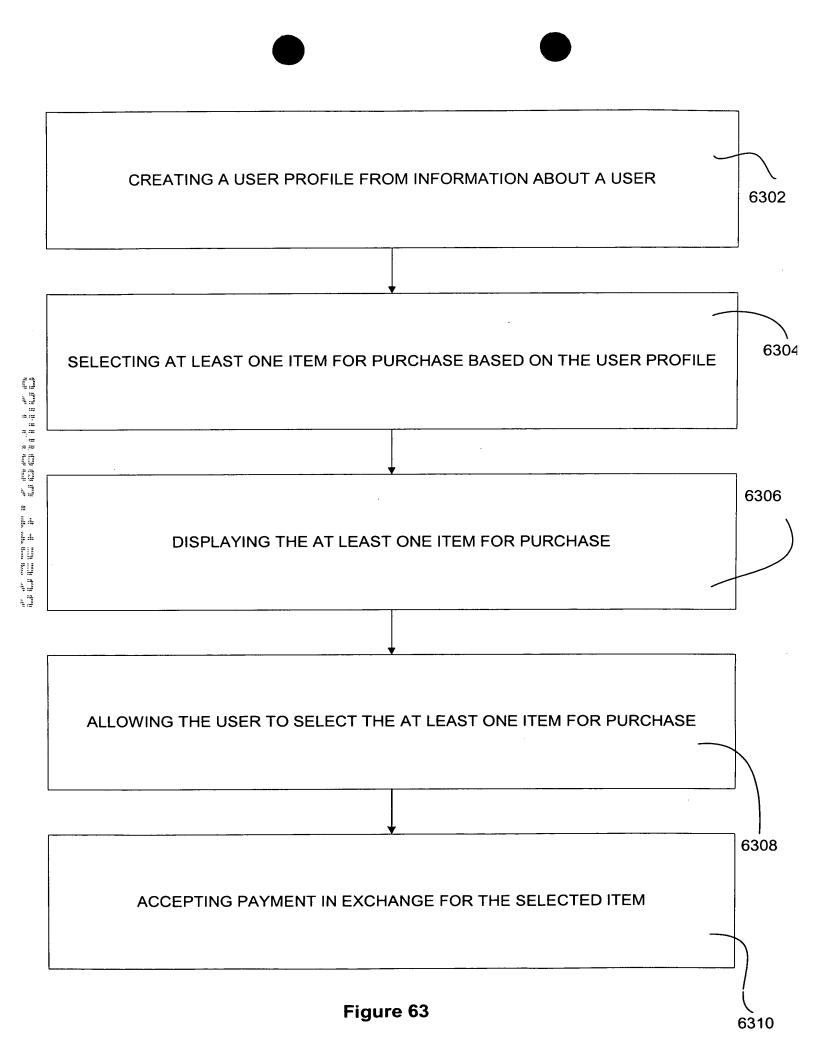
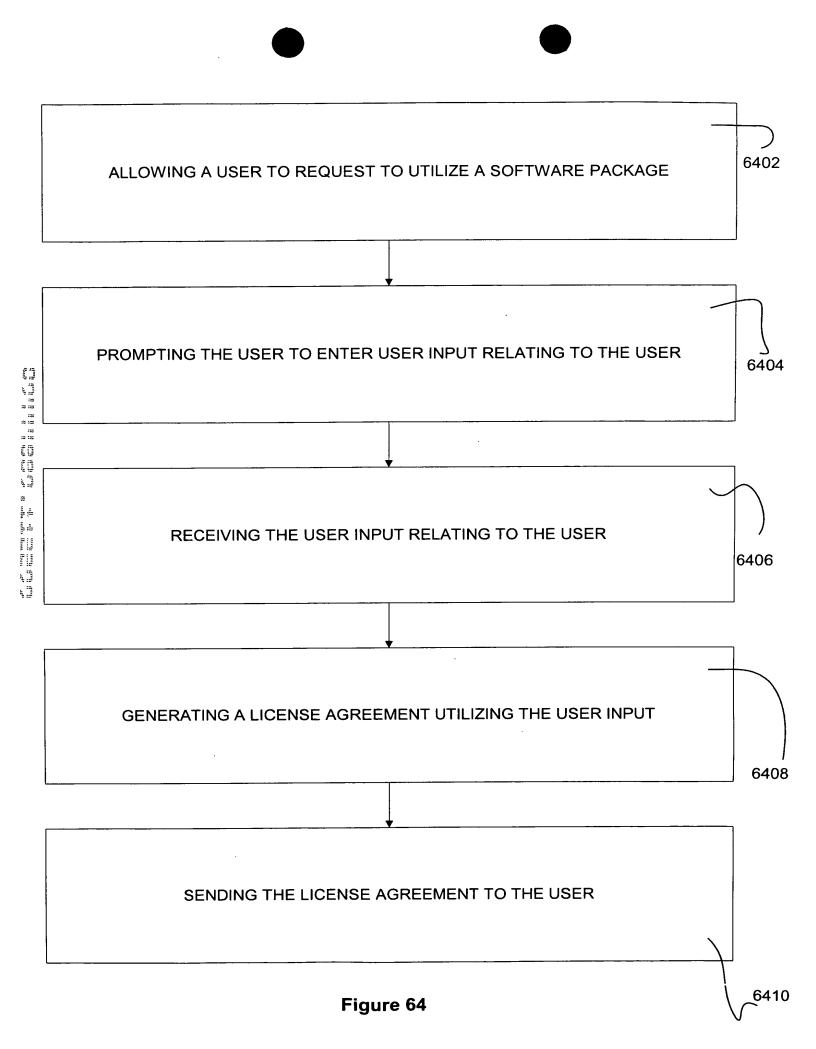
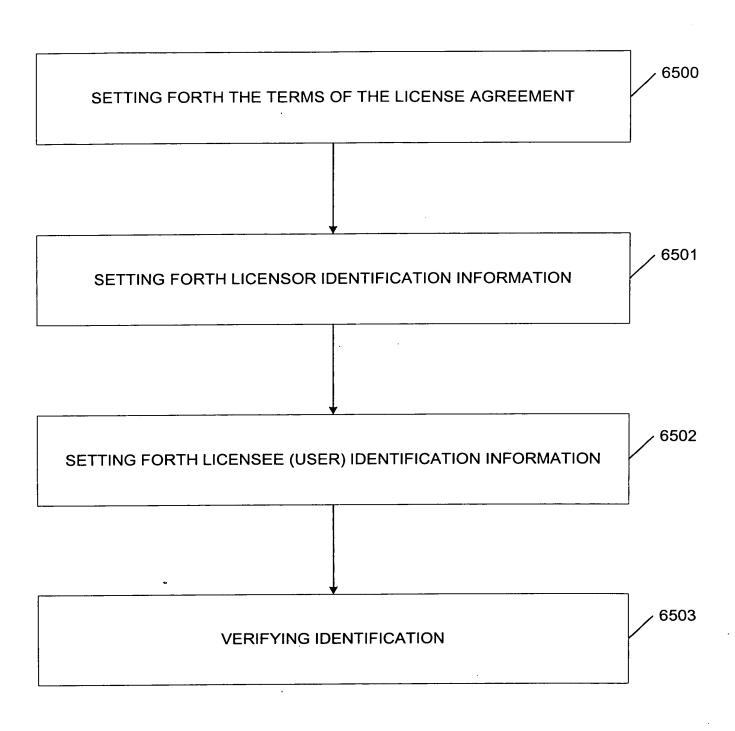


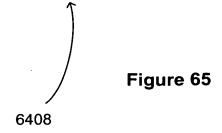
Figure 61











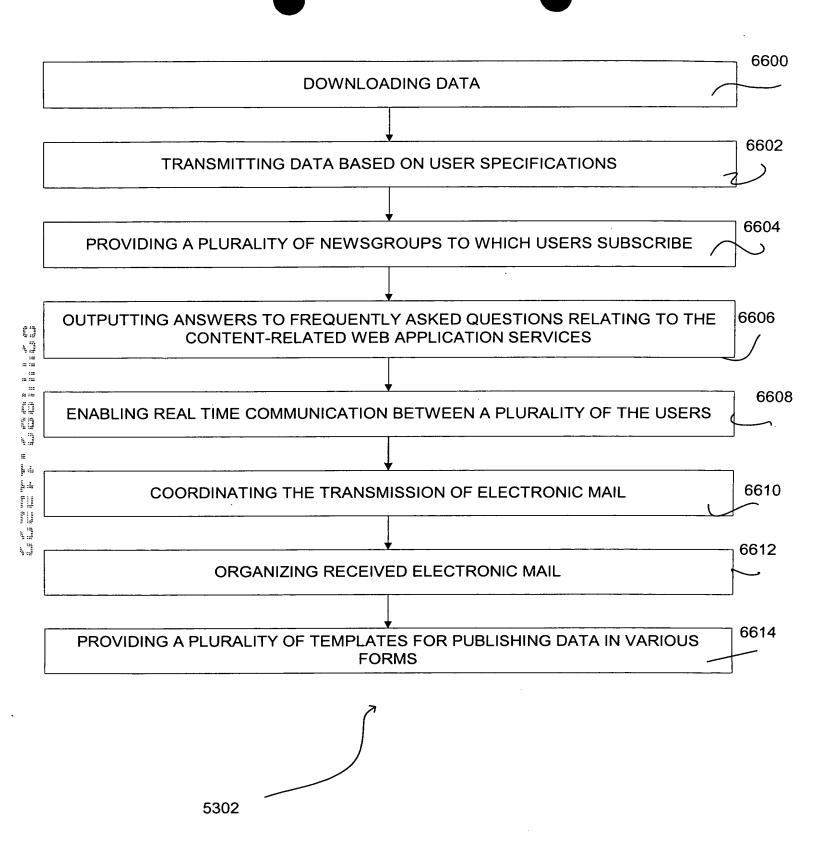
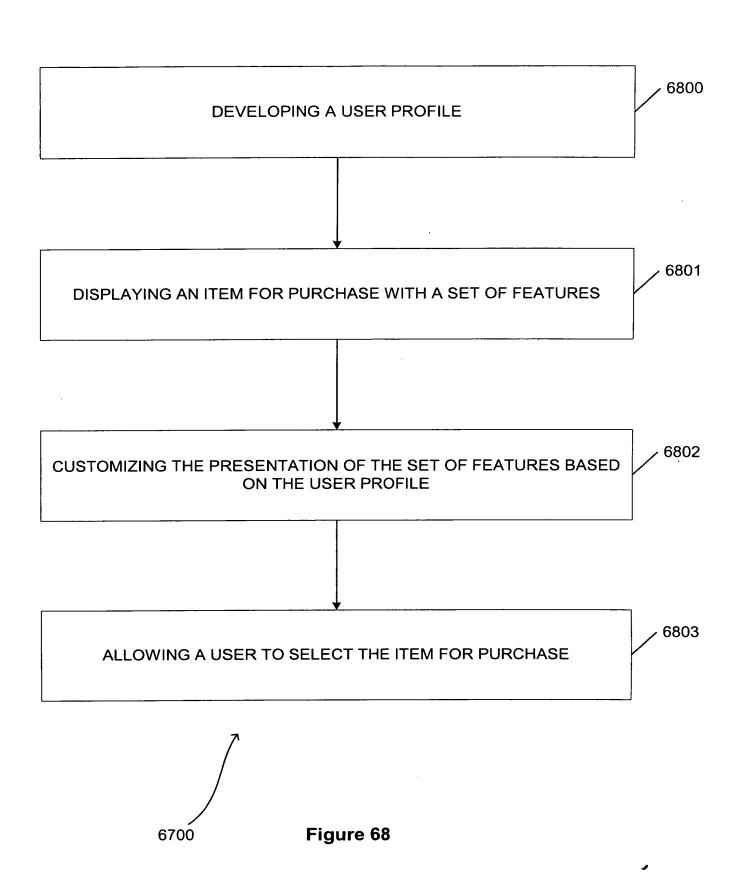


Figure 66

Figure 67



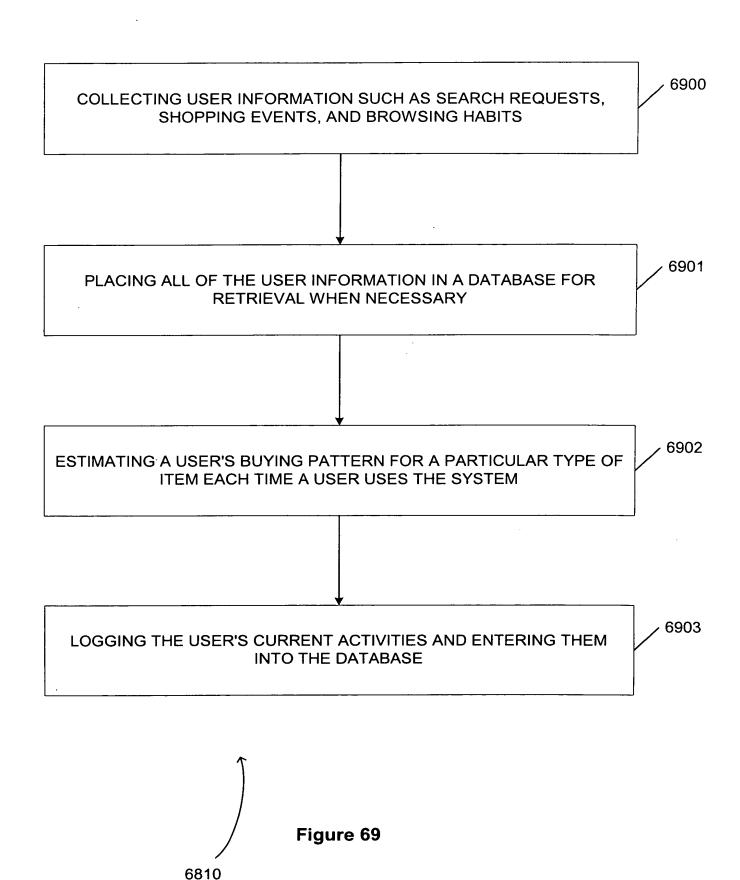
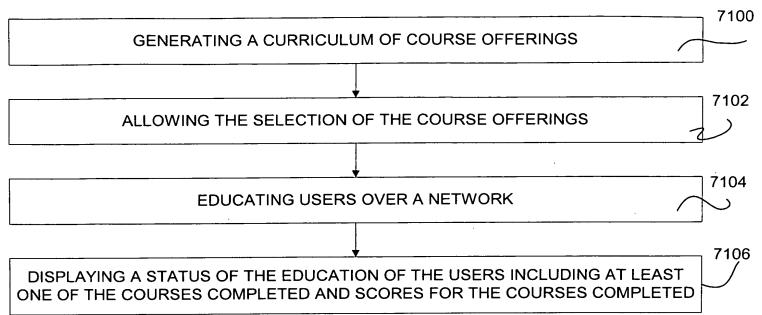
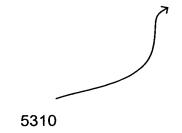


Figure 70





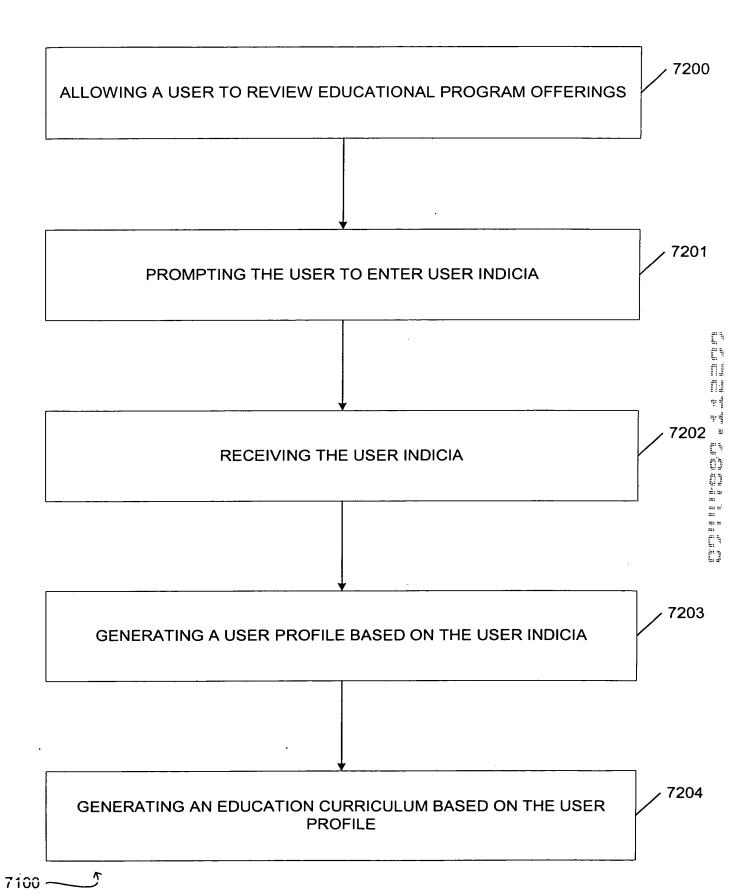


Figure 72

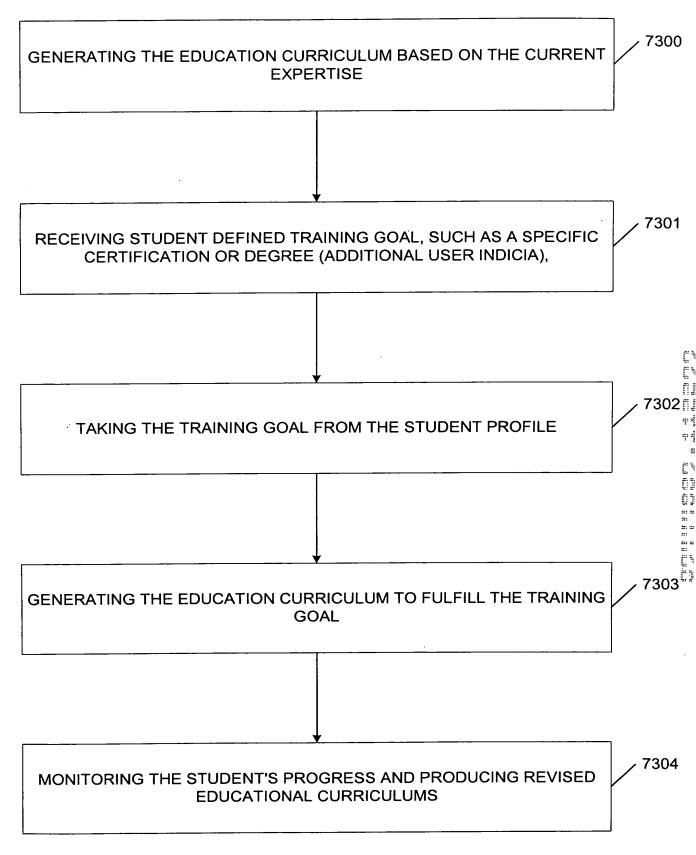
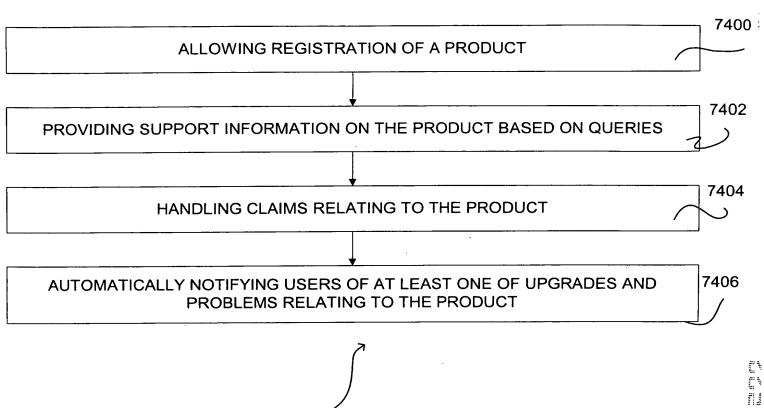
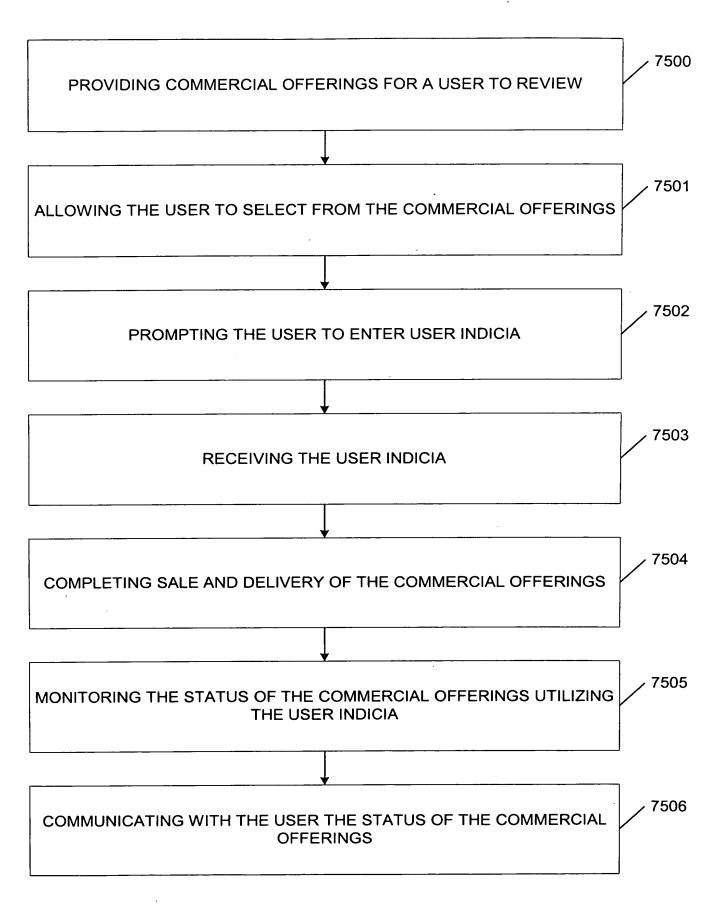


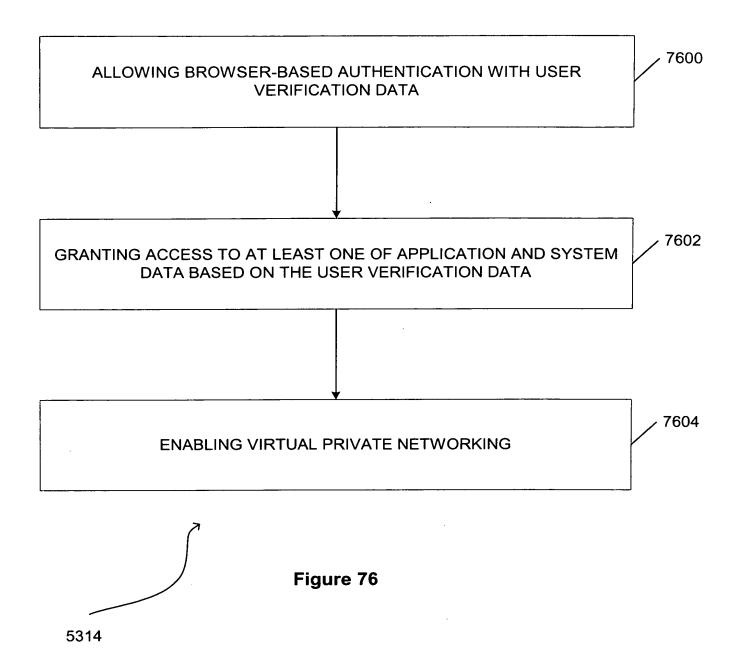
Figure 73

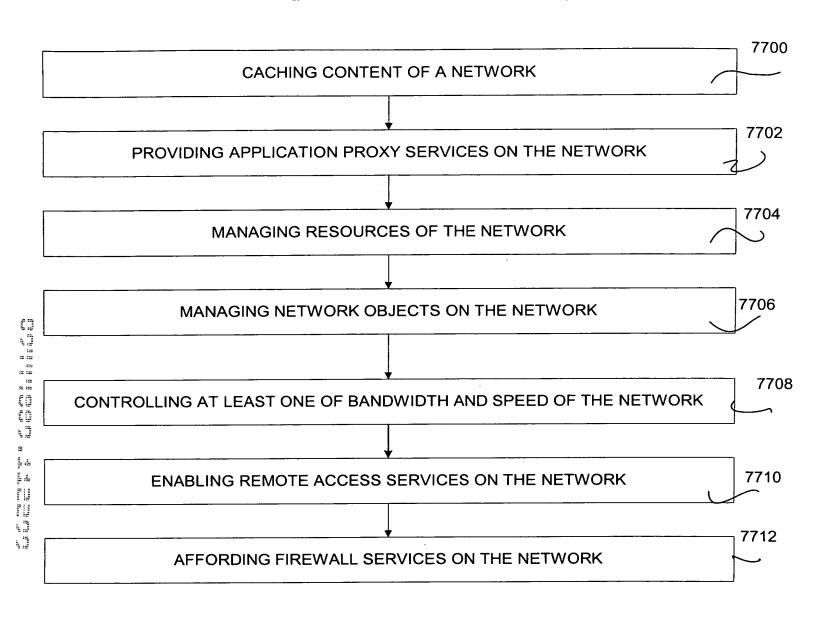


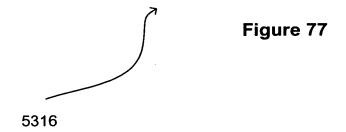


7406 -5

Figure 75







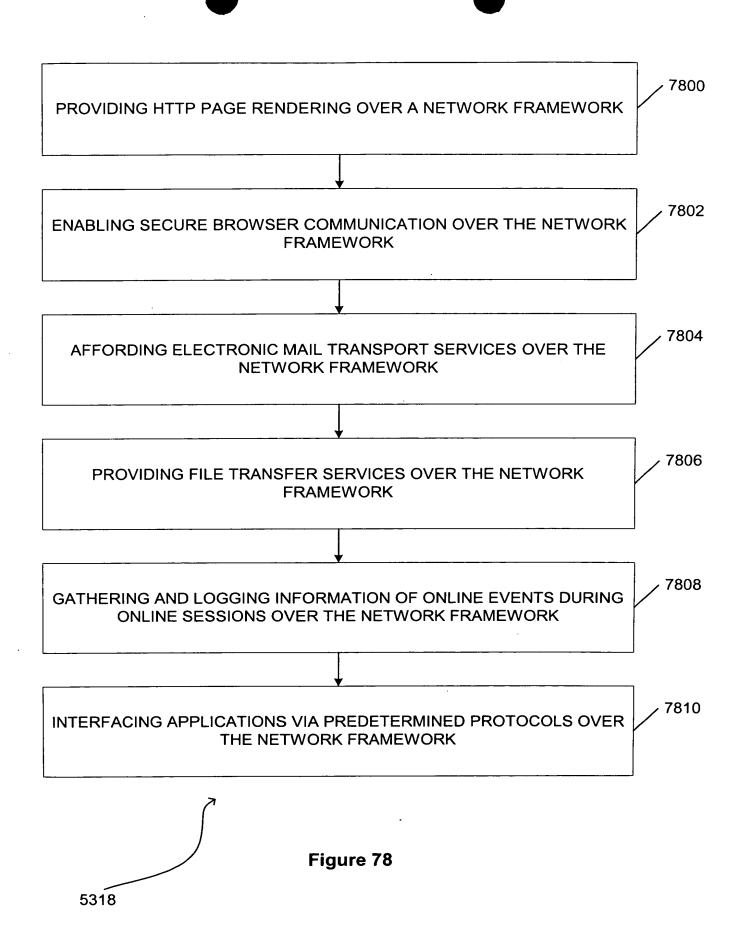
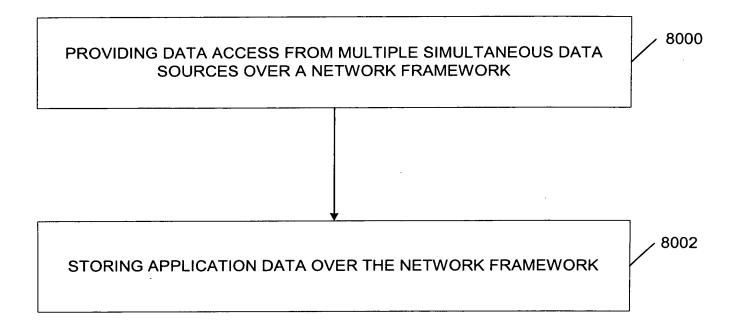
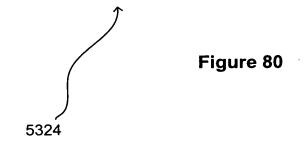
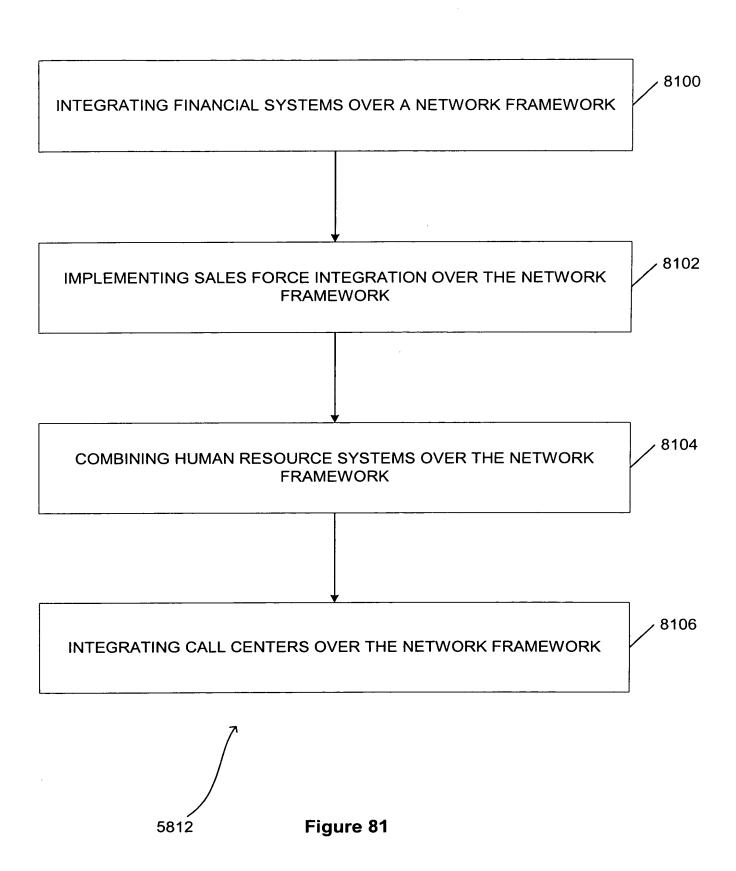
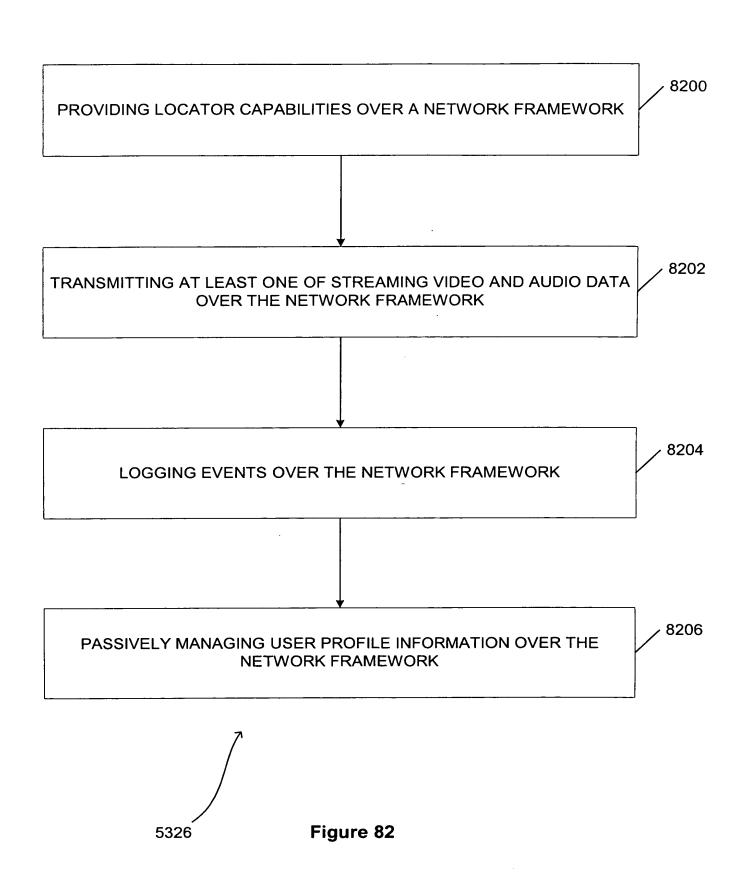


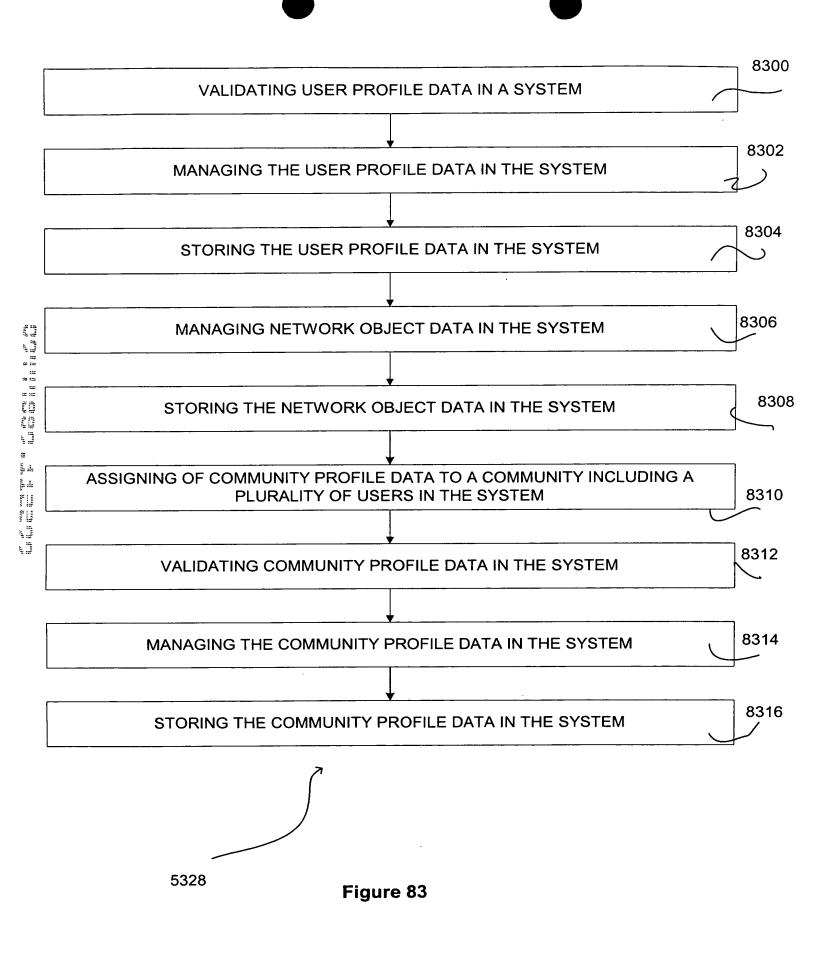
Figure 79

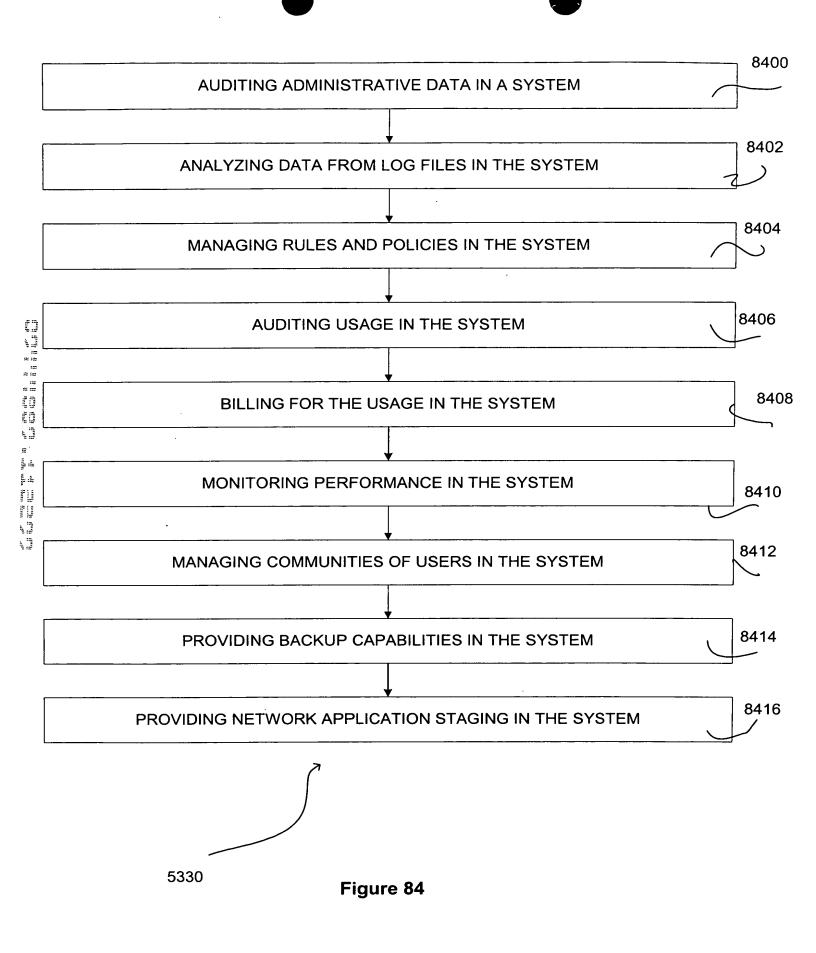


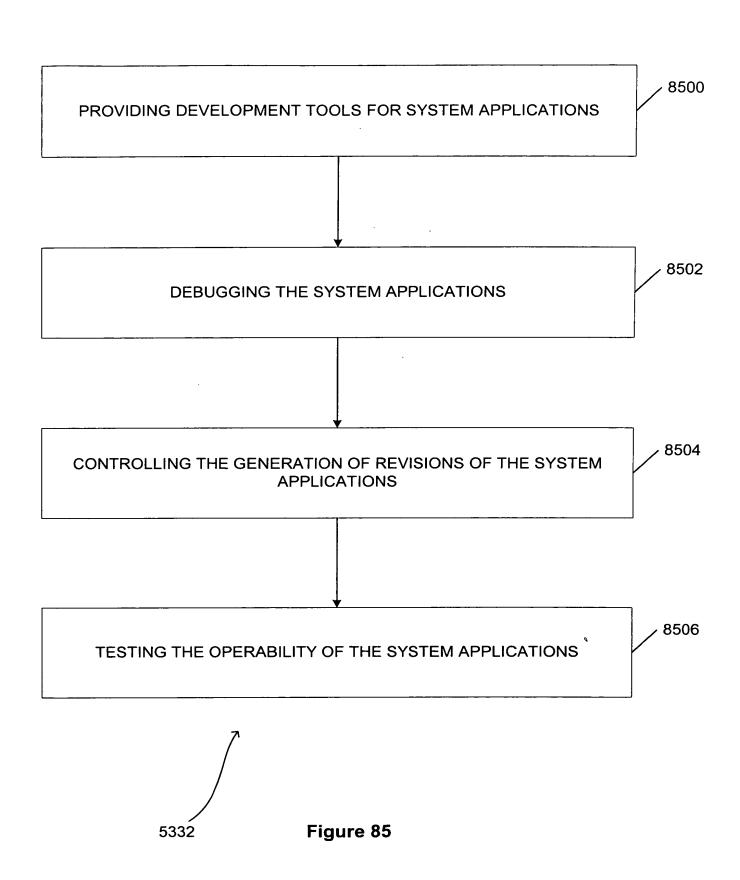












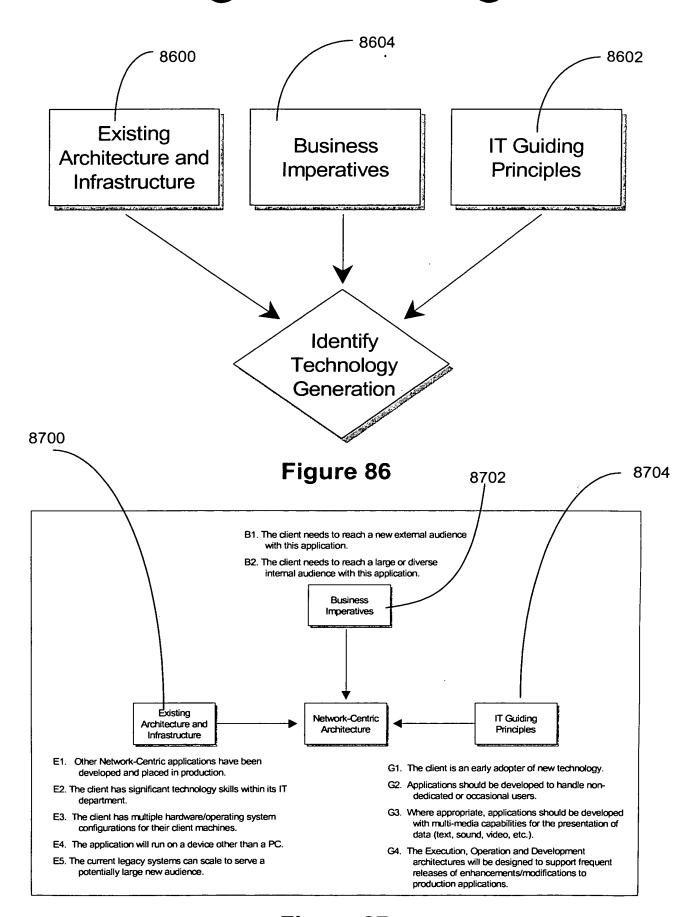
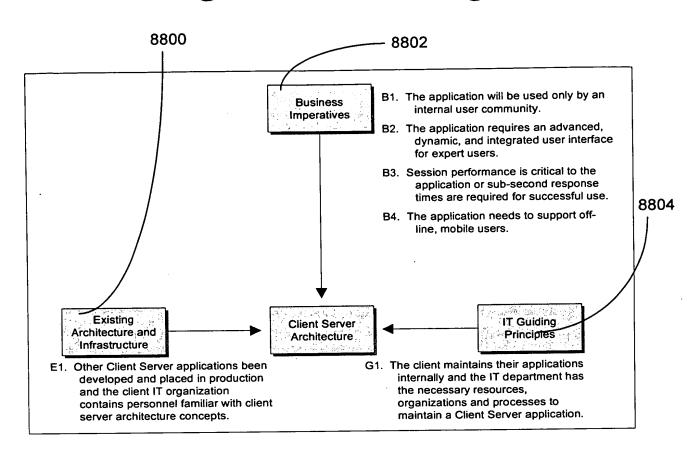


Figure 87



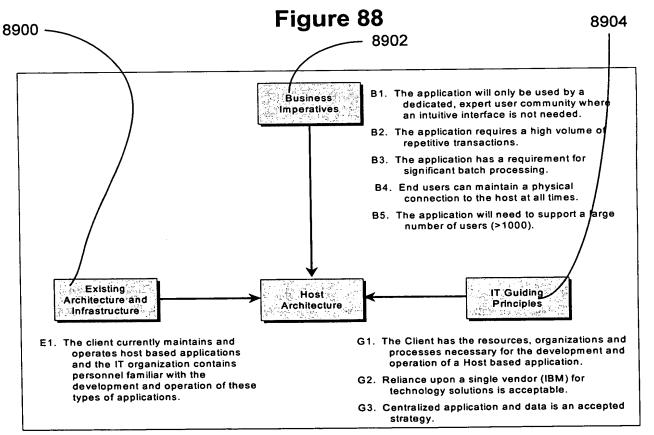


Figure 89

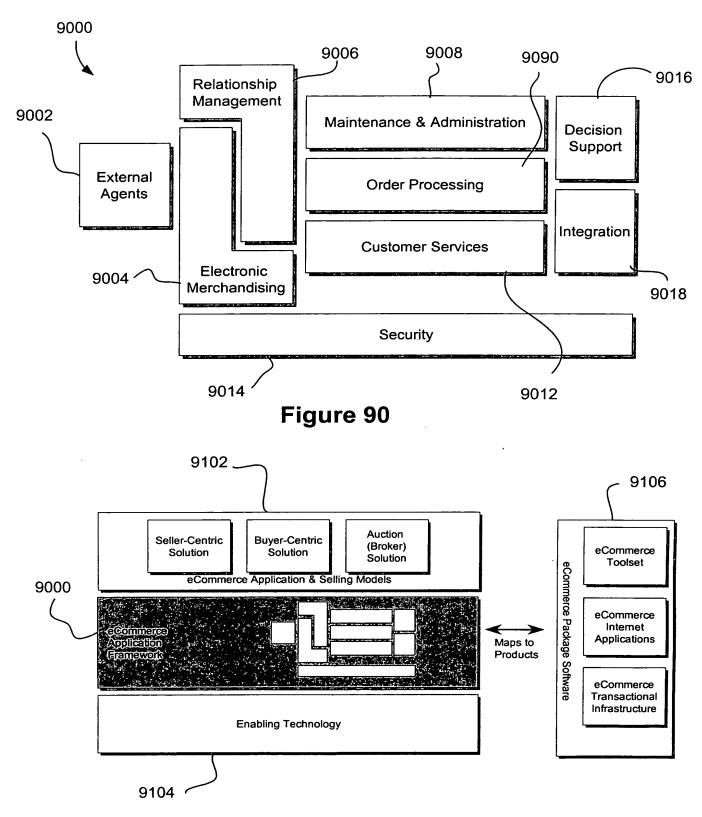


Figure 91

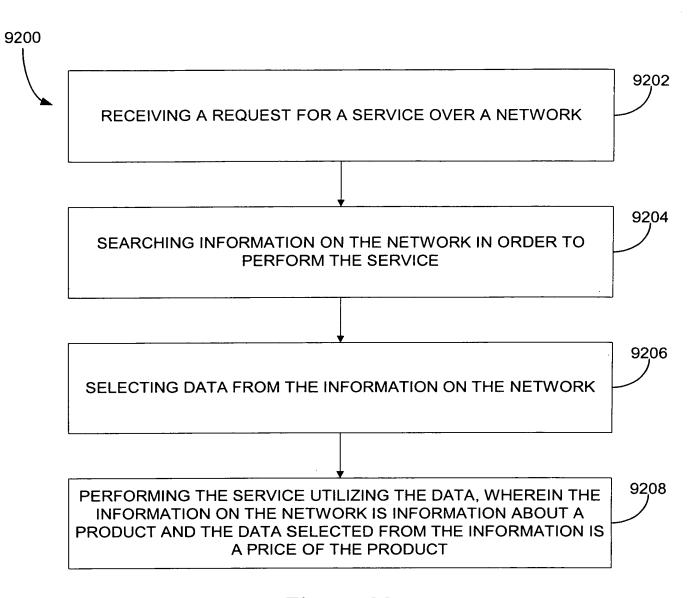


Figure 92

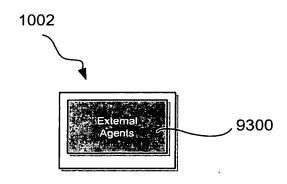


Figure 93

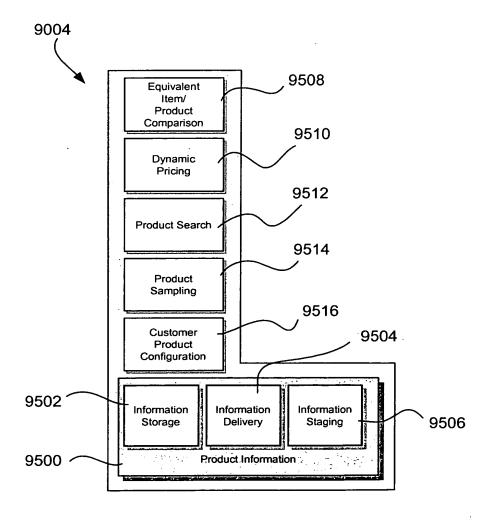


Figure 95

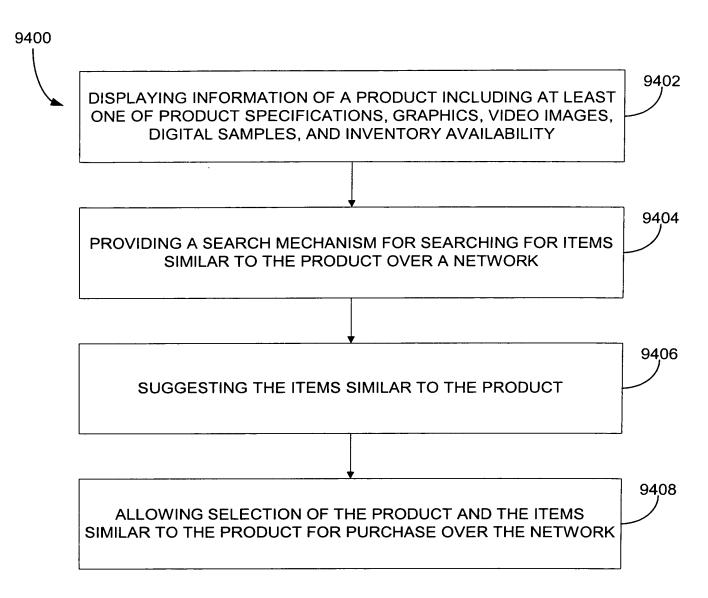


Figure 94

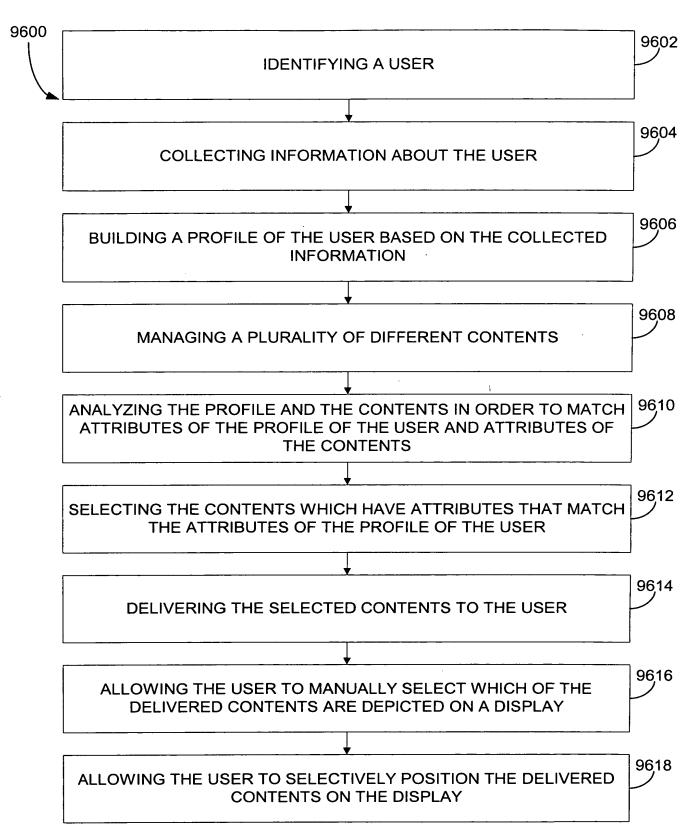
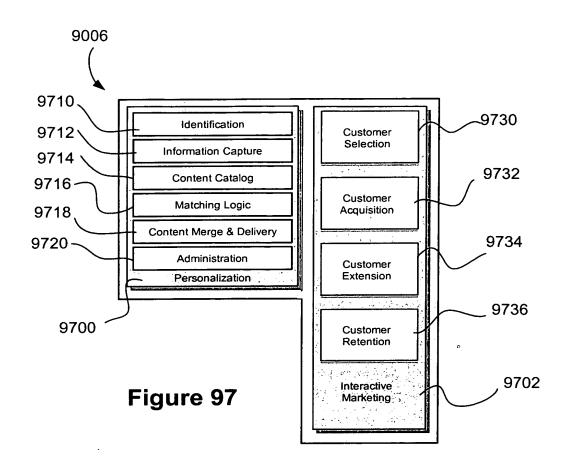


Figure 96



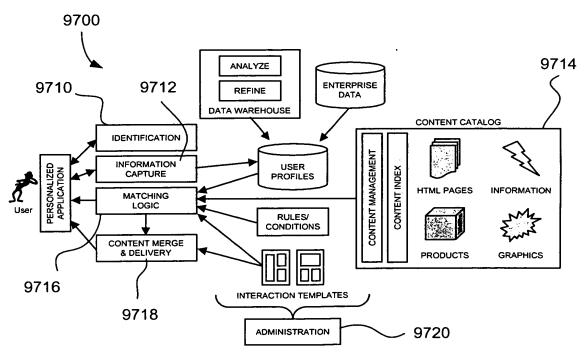
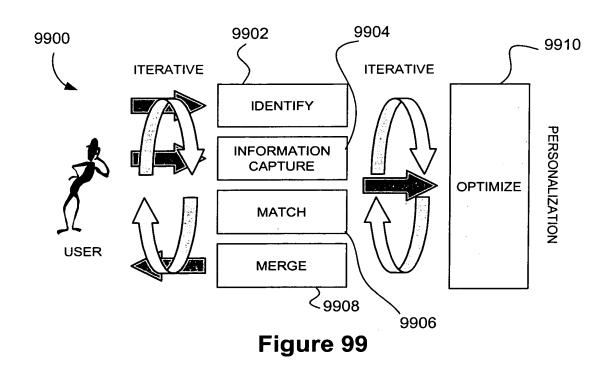


Figure 98



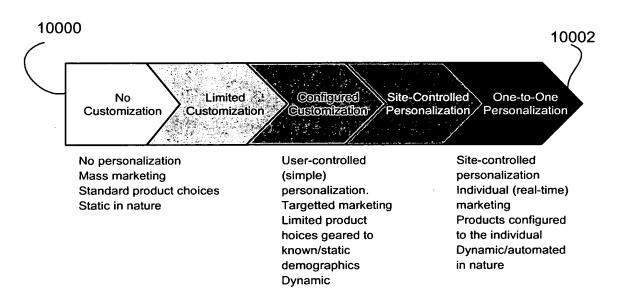


Figure 100

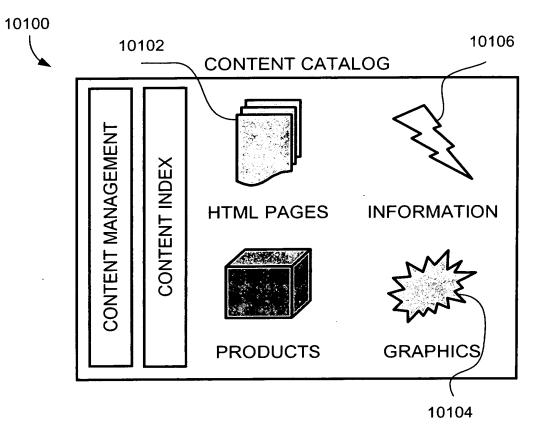
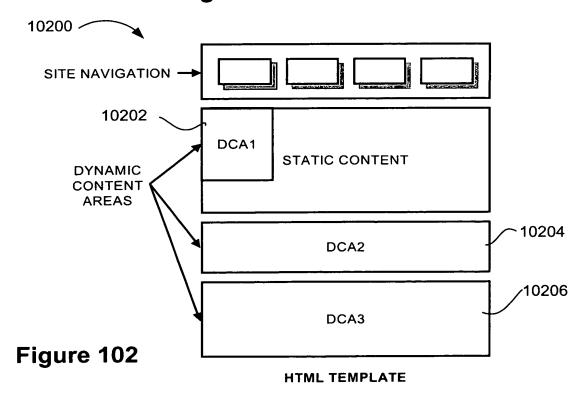


Figure 101



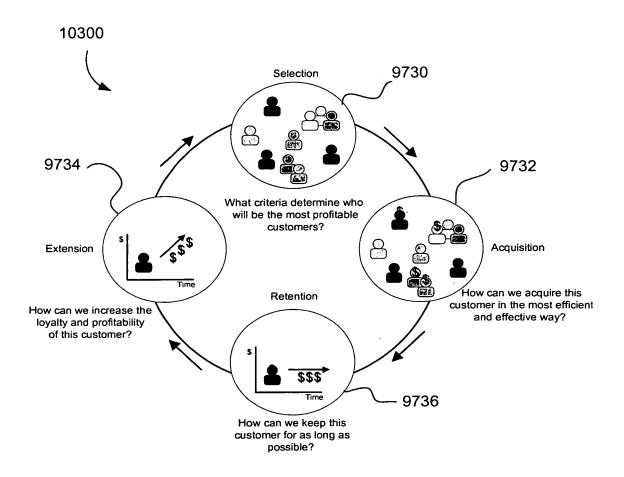


Figure 103

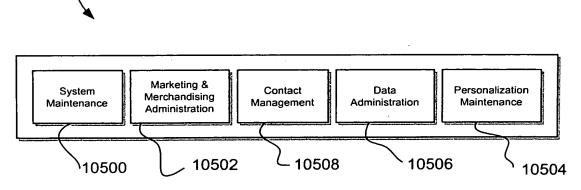


Figure 105

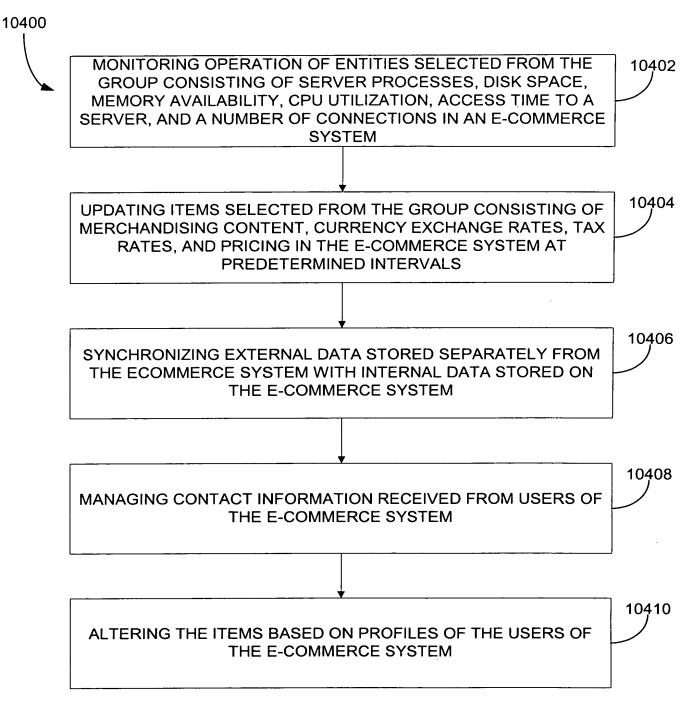


Figure 104

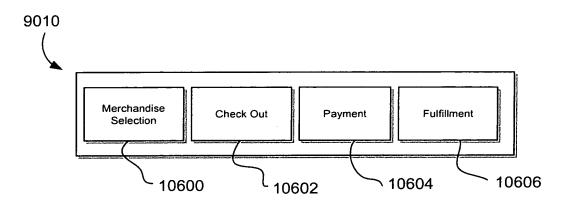


Figure 106

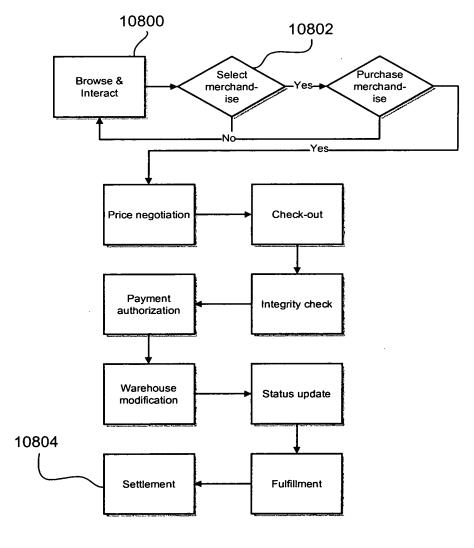


Figure 108

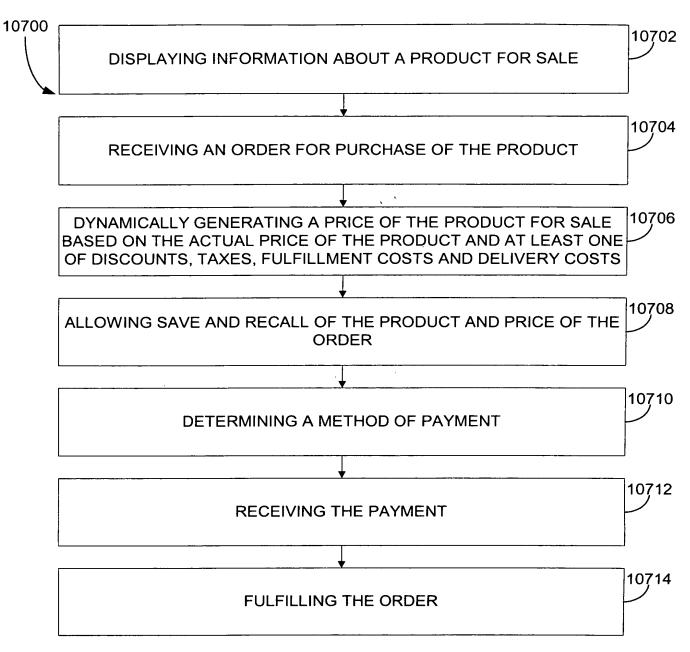


Figure 107

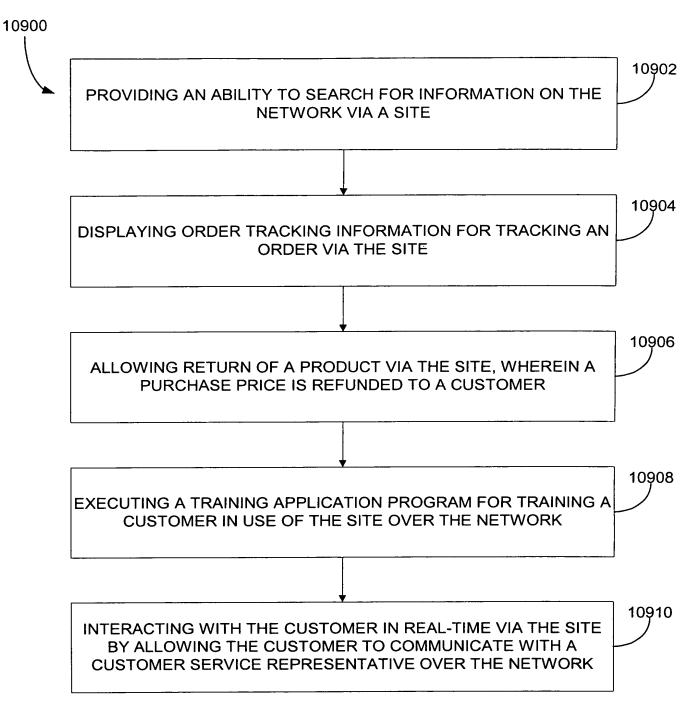


Figure 109



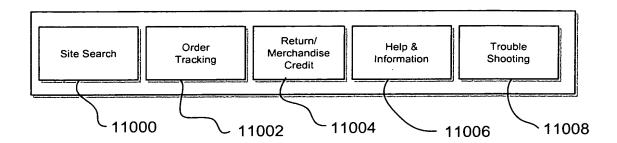


Figure 110

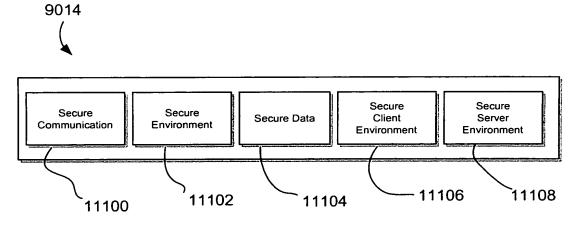


Figure 111

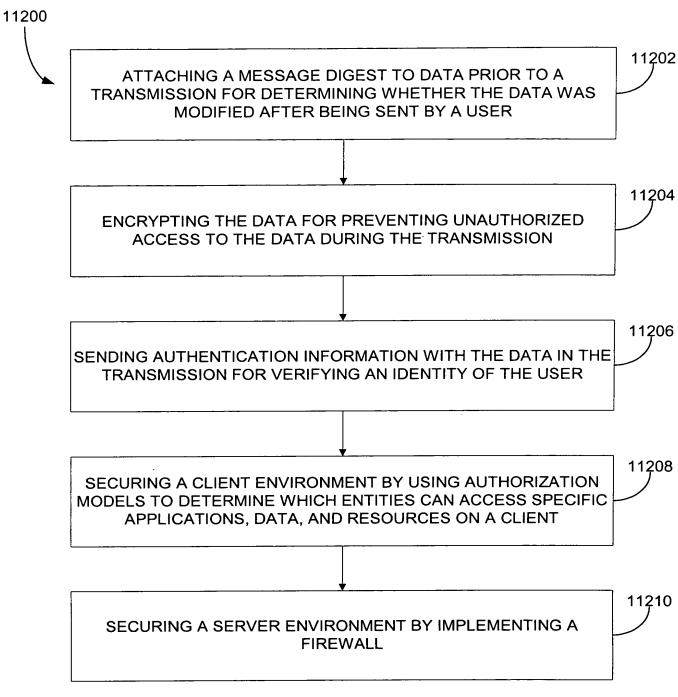


Figure 112

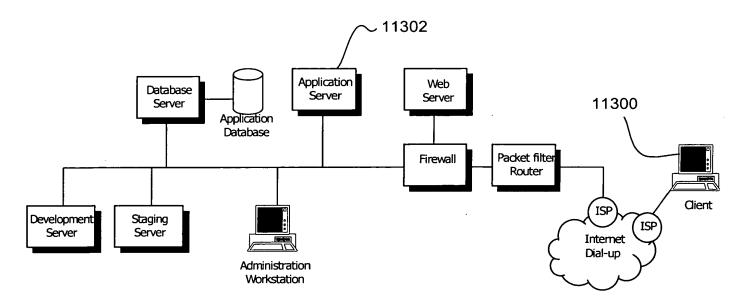


Figure 113

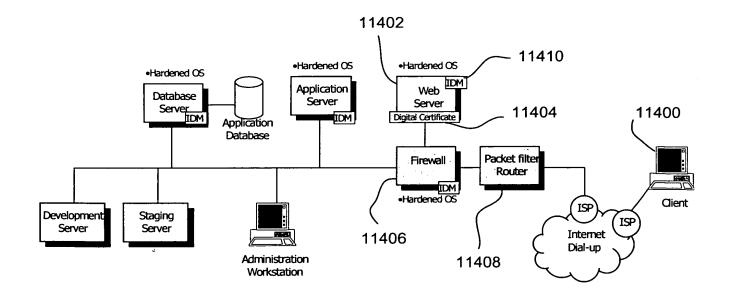


Figure 114

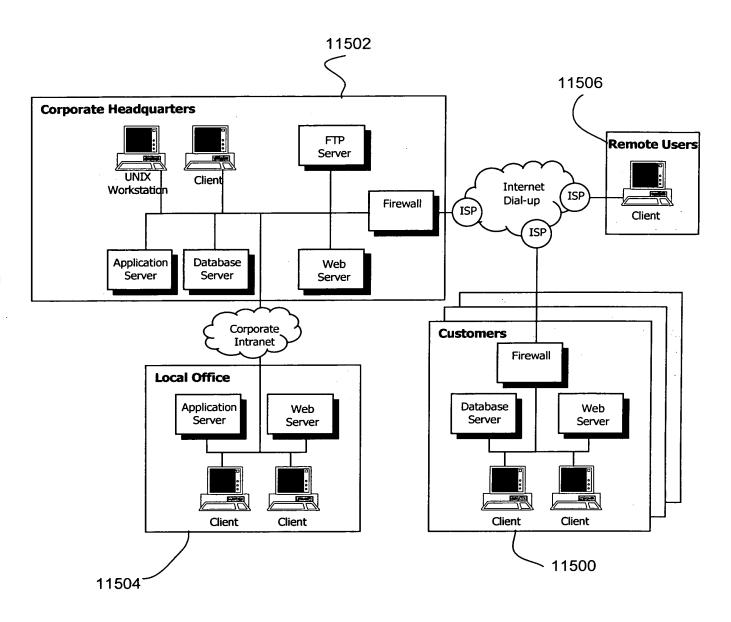


Figure 115

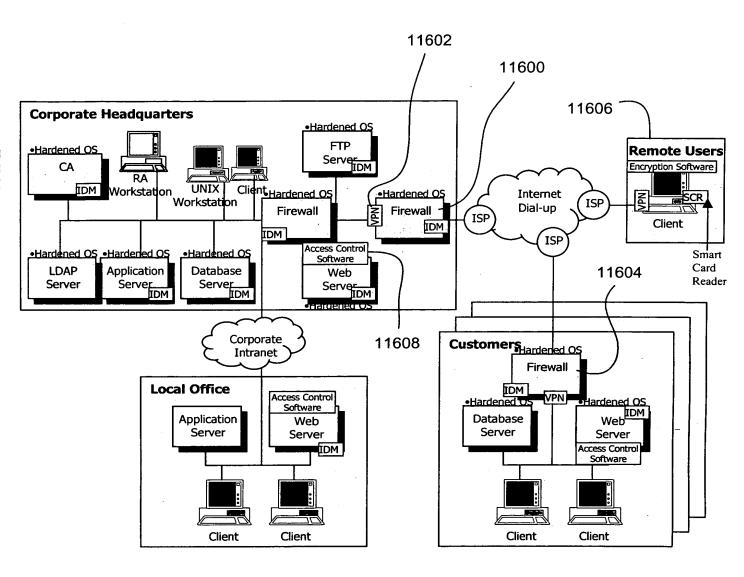


Figure 116

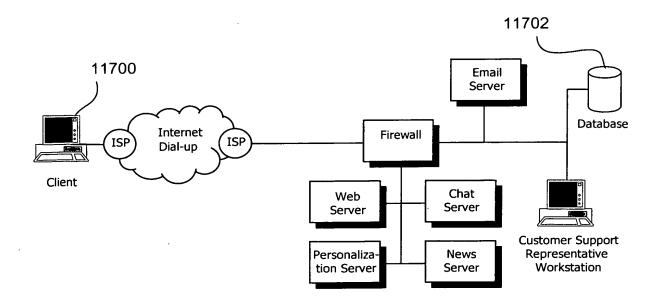


Figure 117

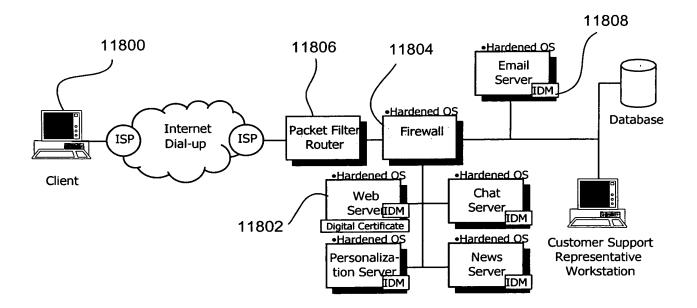
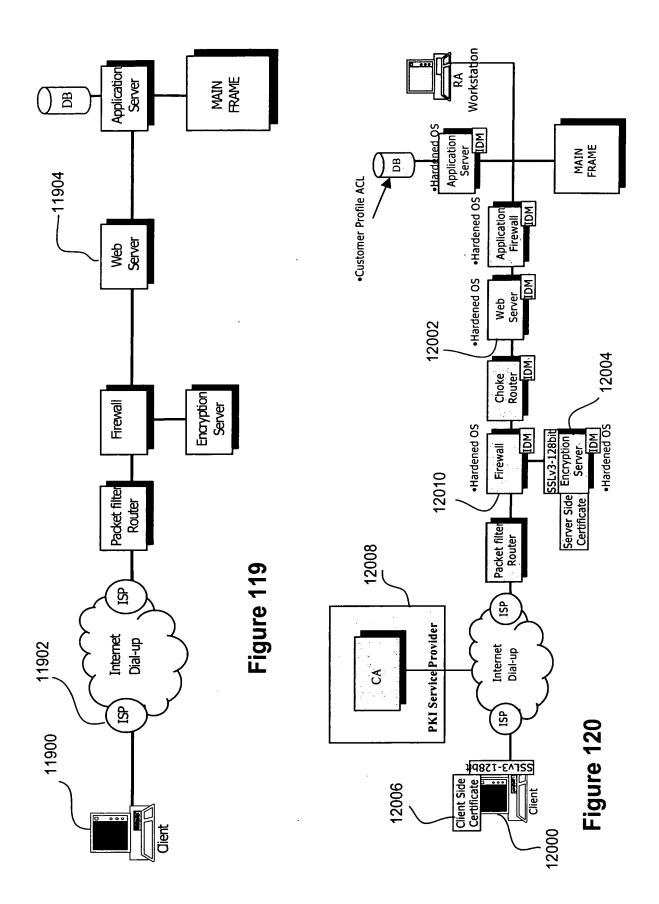


Figure 118



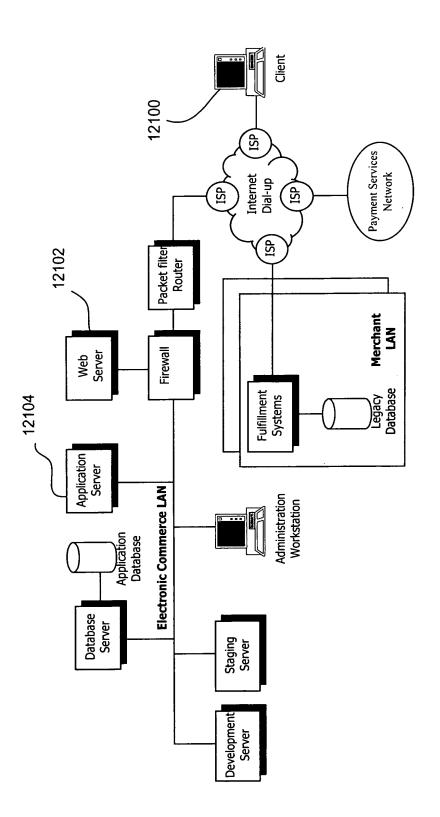


Figure 121

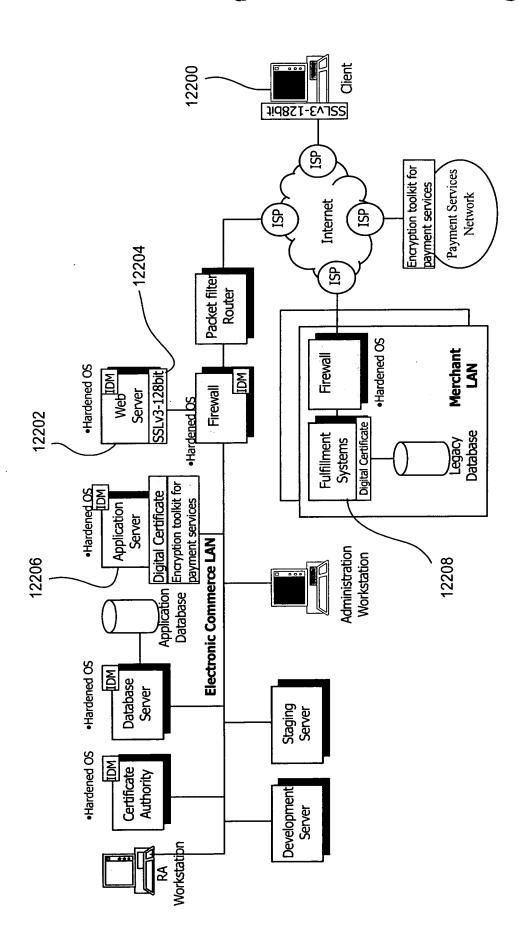


Figure 122

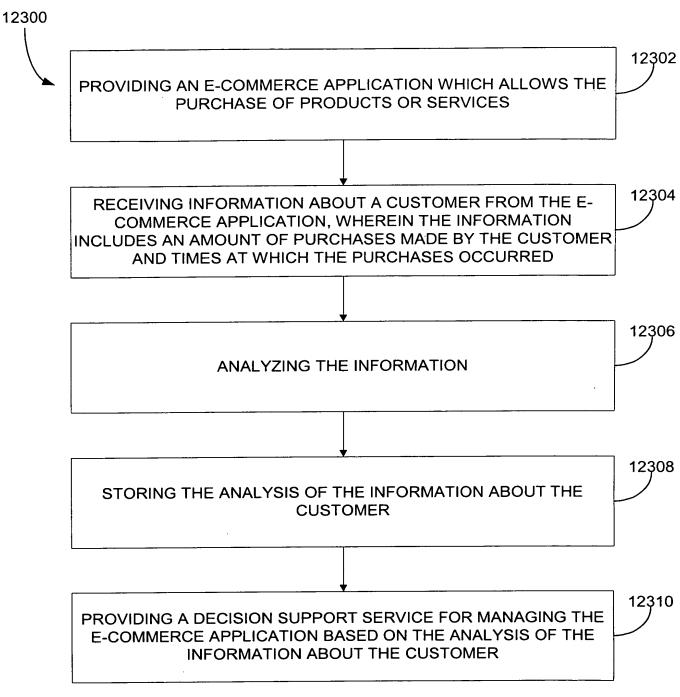
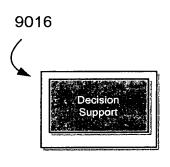


Figure 123



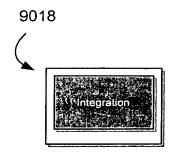


Figure 124

Figure 125

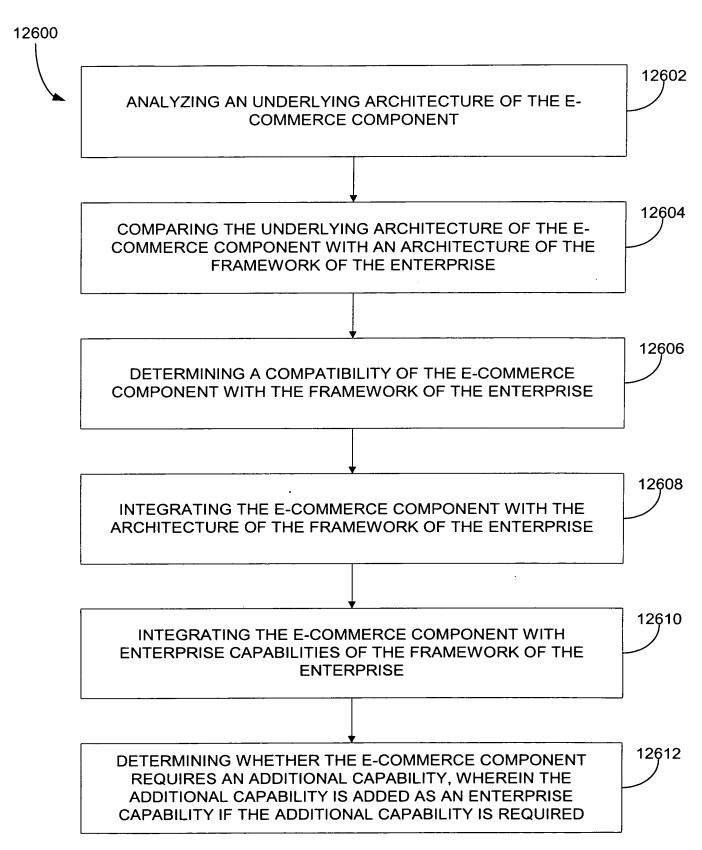


Figure 126

Bandwidth Market

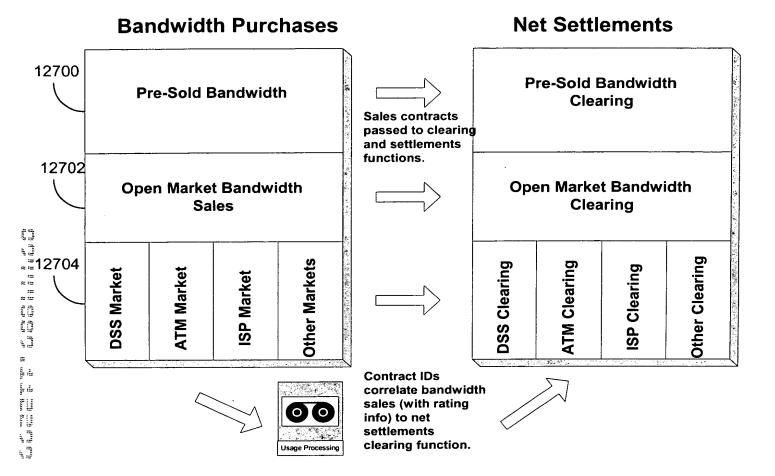
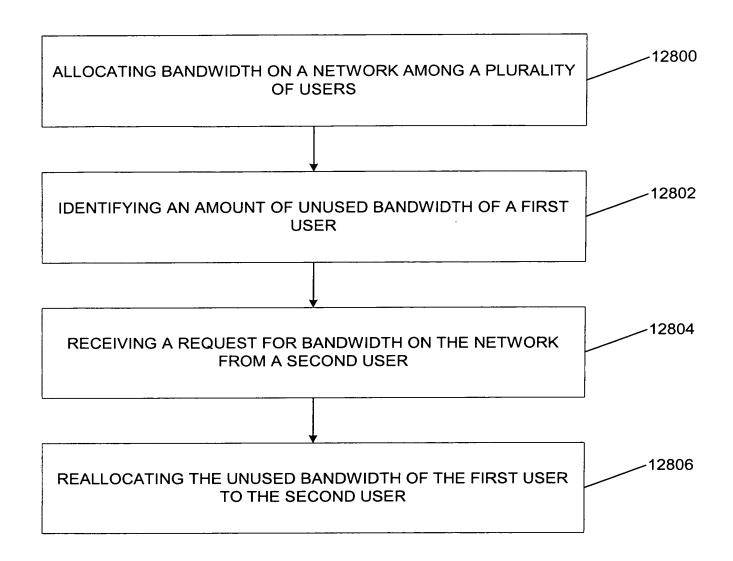


Figure 127



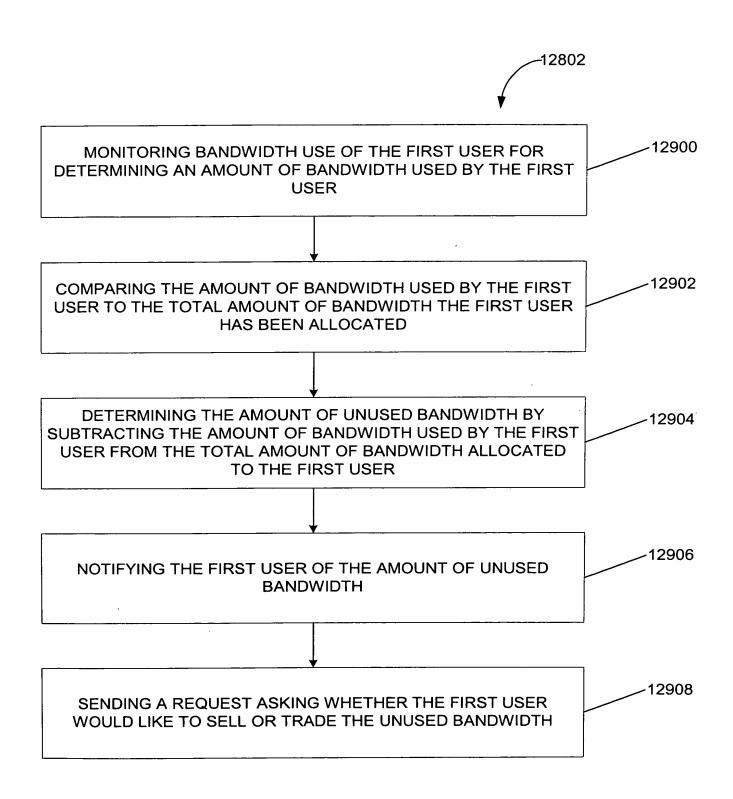
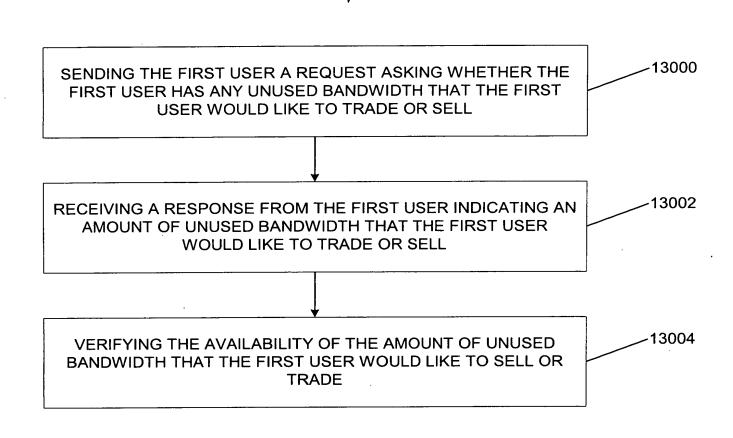
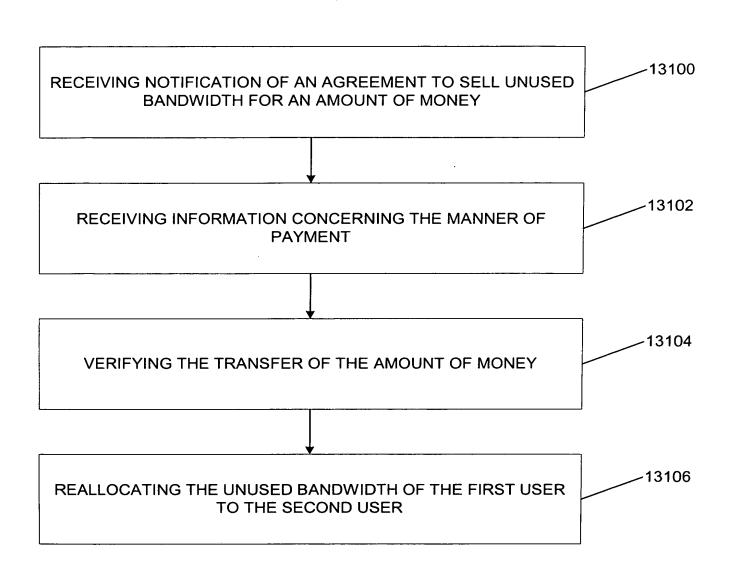


Figure 129

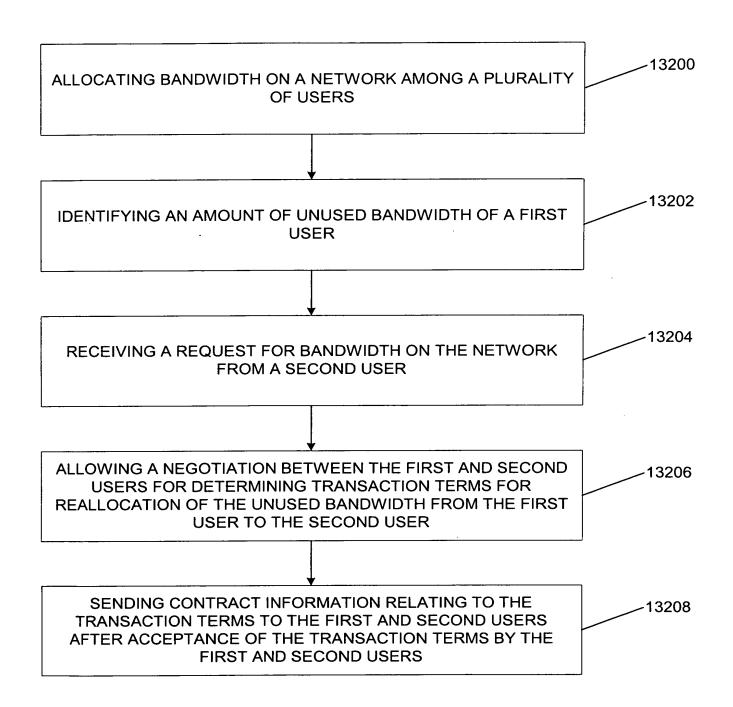


12802



-12806

Figure 131



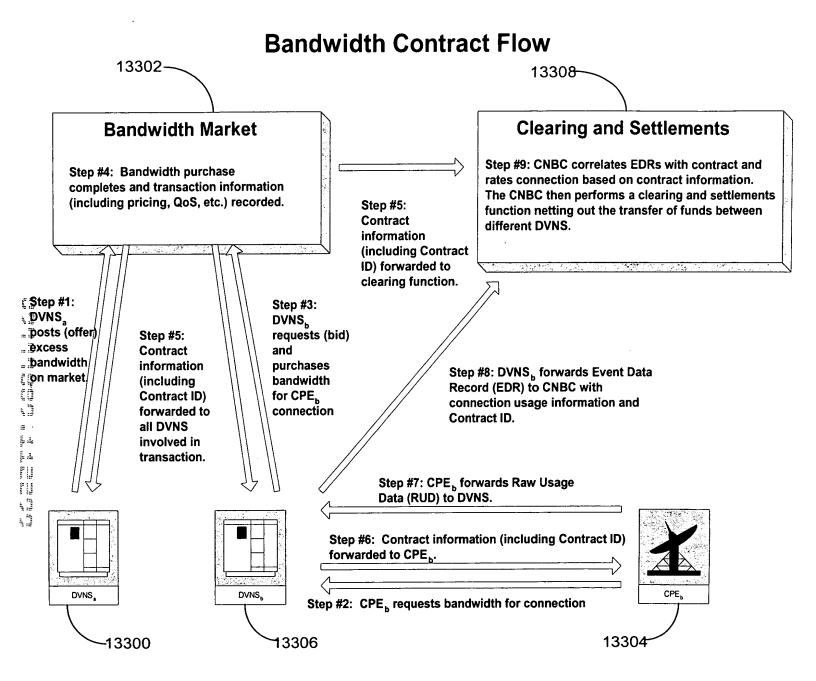
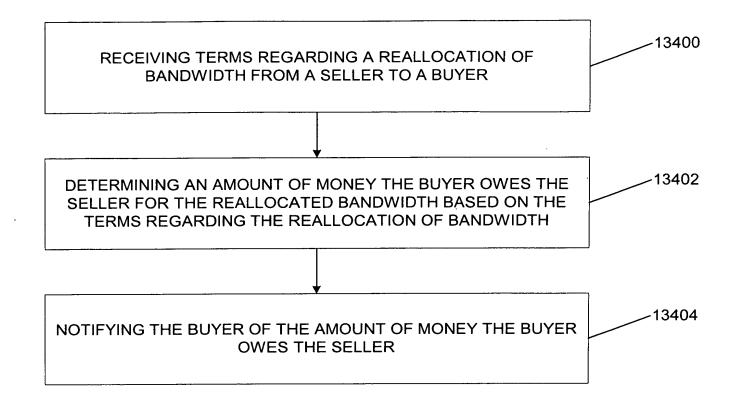


Figure 133



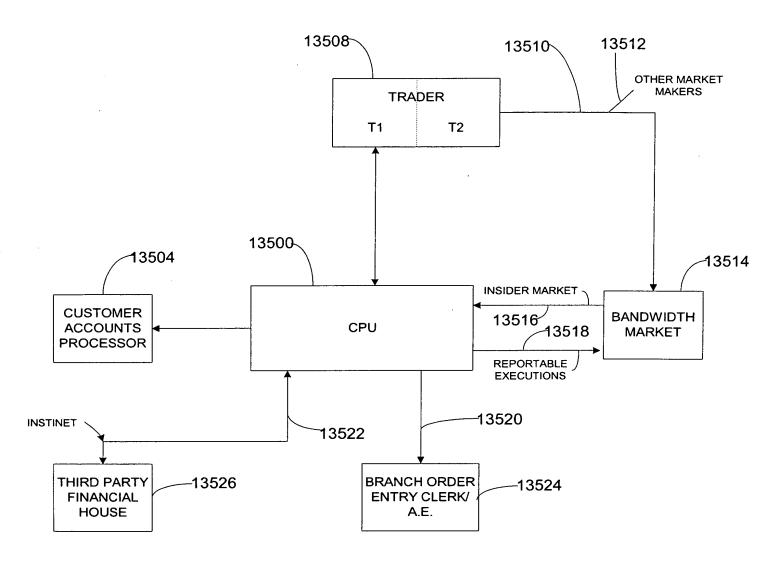
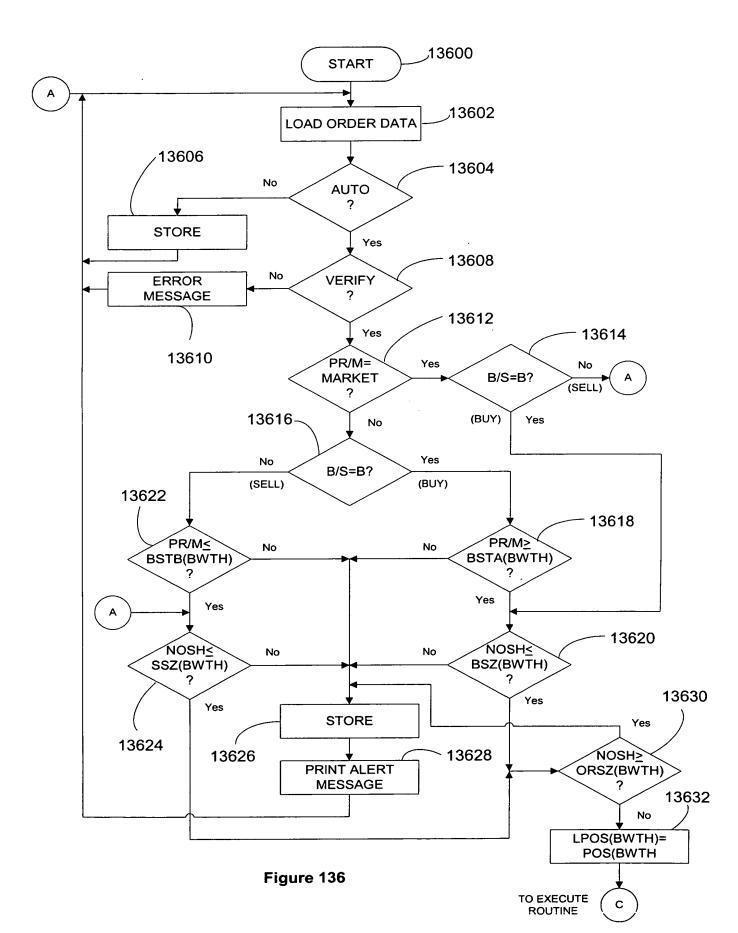


Figure 135



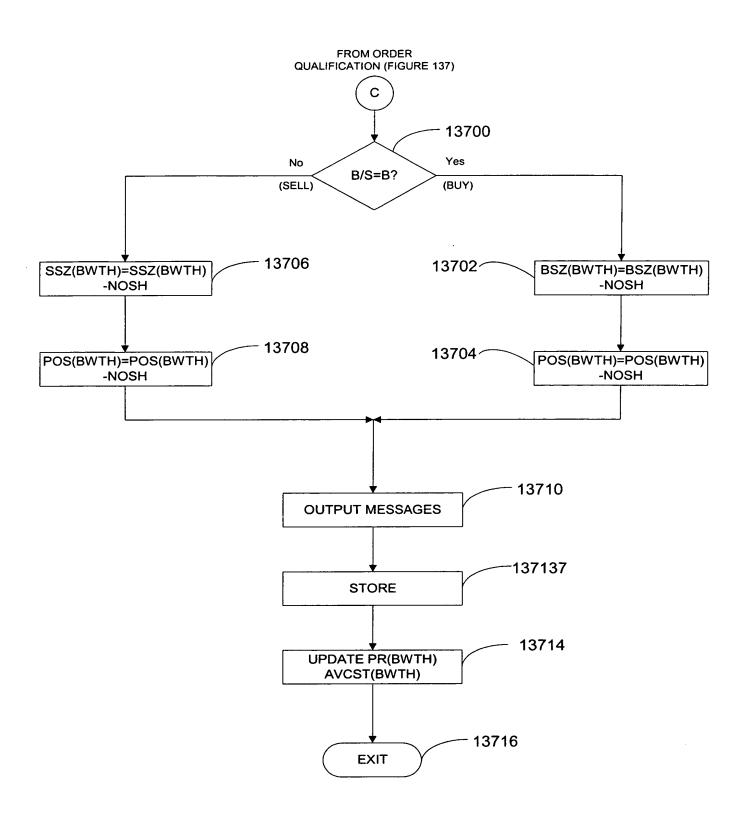
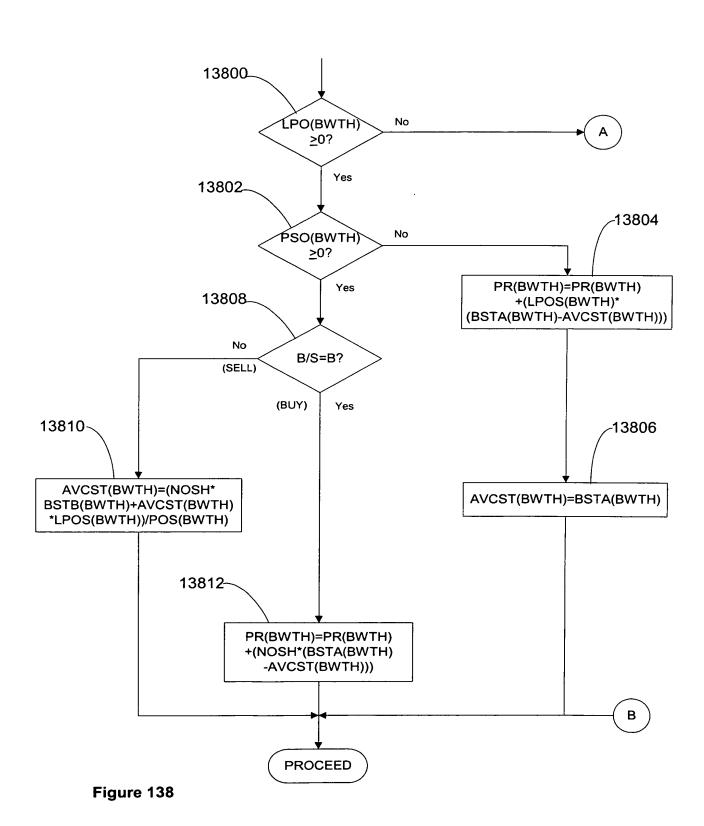


Figure 137



And the test of the test of the test

€

ingen ingen Gr- Gr-

than thus at at at

Figure 139

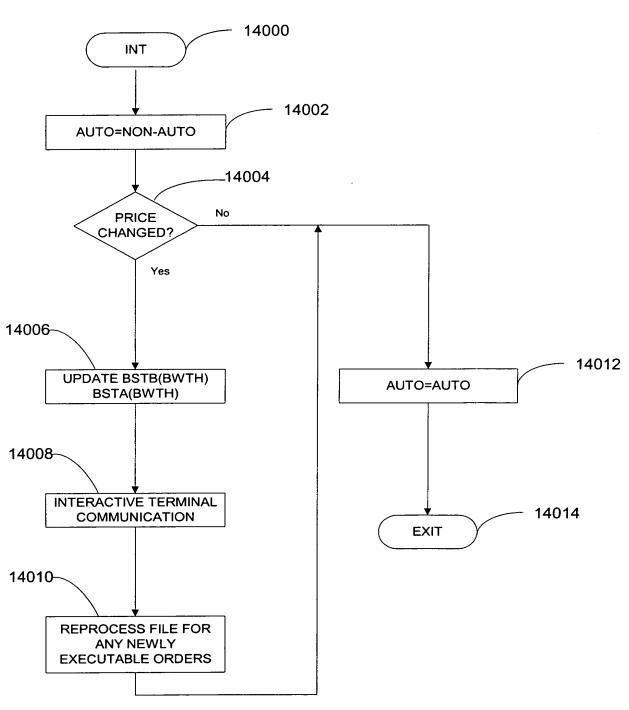


Figure 140

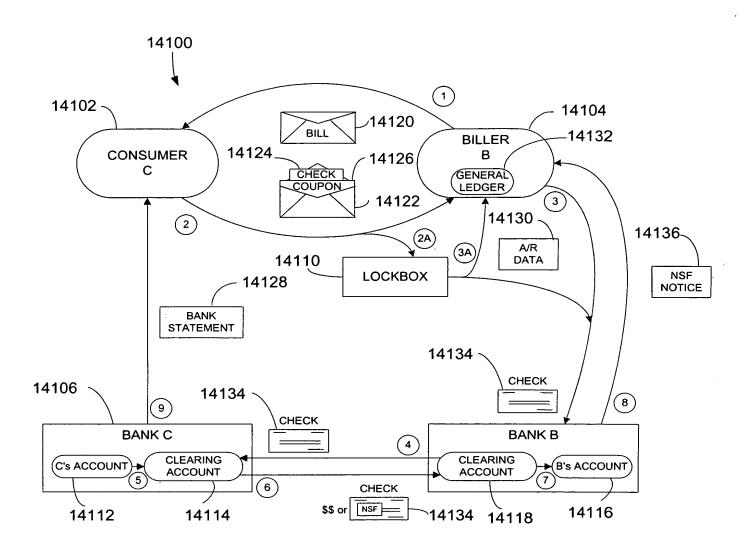
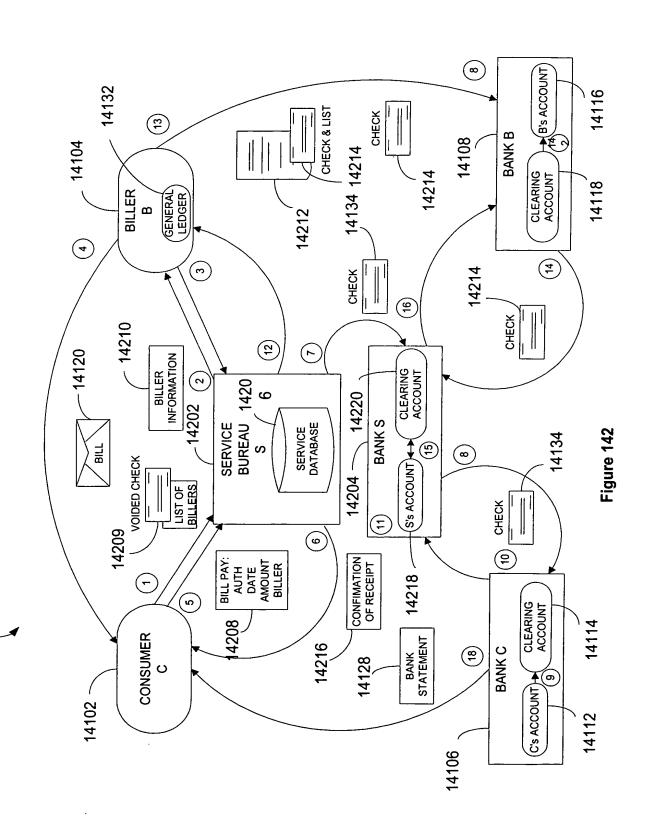


Figure 141

14200



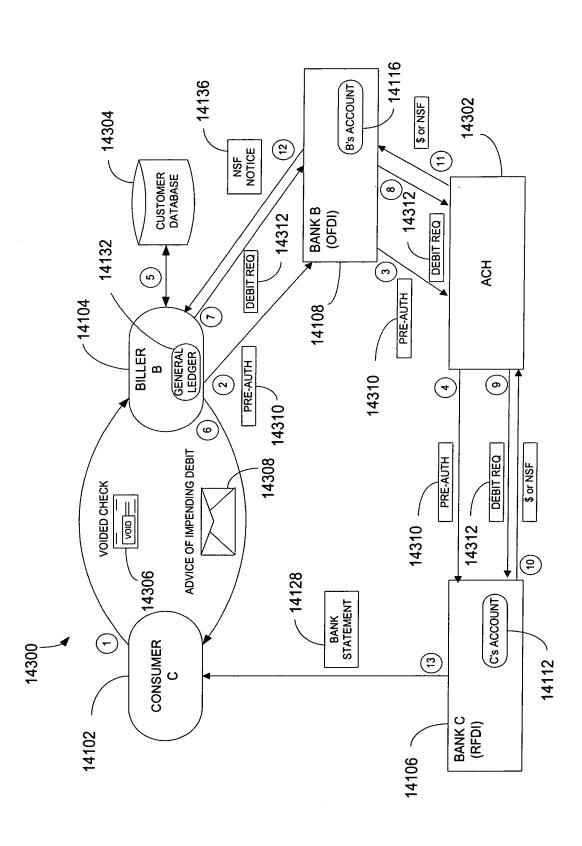


Figure 143